

6160 Fairmount Avenue • Suite A • San Diego, California 92120 • (619) 299-0033 • Fax (619) 299-0087

Project 3100029

July 12, 2005

Mr. Al Apuzzo
Gem Properties
c/o O'Bryan-Smith Investments
402 West Broadway, Suite 2900
San Diego, California 92101

**RE: Vapor Risk Assessment Report
2702-2732 Lytton Street and 3000-3006 Barnett Avenue
San Diego, California
H38049-001**

Dear Mr. Apuzzo:

Groundwater & Environmental Services¹, Inc./EnecoTech Southwest, Inc. (GES) is pleased to present Gem Properties (Client) with this Vapor Risk Assessment (VRA) report for the subject site located at 2702-2732 Lytton Street and 3000-3006 Barnett Avenue in San Diego, California (Figure 1). Site assessment activities are being performed under the direction of the County of San Diego, Department of Environmental Health (DEH), Private Oversight Program (POP). The vapor risk was performed in response to a directive from the DEH dated May 31, 2005.

BACKGROUND

EnecoTech understands that the Matchinski Family has owned the subject property since approximately the 1930s. The subject site consists of a developed strip of land along Lytton Street and Barnett Avenue. The site is bound by an alley and commercially developed property to the east, commercial property at 2790 Lytton to the west, residential development and a church facility to the north, and Lytton Street and a Naval facility to the south. The site is developed with a commercial building occupied by three commercial tenants. Current site uses include Just Curves (a clothing store), Empty Tomb Choppers (a motorcycle fabrication shop), and Pacific Embroidery (a garment shop). According to a Phase I report provided by the Client, one of the previous site uses was a gasoline station from approximately 1938 to 1957. However, information provided by the Client suggests that a portion of the original gas station lot may not be within the current property dimensions, as part of the property where the station existed was lost due to the widening and realignment of Lytton Street and Barnett Avenue.

On July 8 and 9, 2003, and September 10, 2003, EnecoTech performed site assessment activities at the subject site. These activities included the placement of fourteen soil borings and the collection of soil and groundwater samples to assess subsurface conditions (Figure 2). Hydrocarbon impact was detected in soil and groundwater samples collected. Soil impact was greatest in soil boring HA9 located inside the building now occupied by Empty Tomb Choppers, and groundwater impact was greatest in soil boring HA6 located in the parking area northwest of the existing building. Based upon the data collected, EnecoTech concluded that the DEH would likely require assessment of the extent of groundwater impact by the placement of monitoring wells. EnecoTech also concluded that some assessment of the potential increased human health risk to occupants of the building may need to be performed. Individual reports of these site assessment activities were submitted to the Client on August 15, 2003, and September 24, 2003.

¹ Groundwater and Environmental Services, Inc. purchased substantially all assets of EnecoTech, Inc. on April 22, 2005.

EnecoTech recommended that the Client submit the site assessment reports to the DEH along with an application to the POP. DEH requested additional historical information to document the presence of a gasoline station before rendering a decision on the POP application. EnecoTech provided the requested information to the DEH confirming the presence of a historical gasoline station operating at the subject site, and the POP application was approved.

Under an approved work plan, EnecoTech performed a Phase II Environmental Site Assessment (Phase II ESA) at the subject site. EnecoTech proposed to perform a geophysical survey in an attempt to locate the underground storage tanks (USTs) or former tankpit, which is the likely source of hydrocarbon impact at the site. EnecoTech contracted ULS Services Corporation (ULS) to conduct the geophysical survey, which was performed on May 7, 2004. The results of the survey identified two anomalies located west of the clothing store and motorcycle fabrication shop. ULS provided EnecoTech with a report of field activities.

EnecoTech mobilized to the subject site on May 25, 2004, to perform exploratory soil borings to assess whether the anomalies identified during the geophysical survey were components of a former fueling system (USTs or product piping). EnecoTech staff performed eight exploratory borings (EB1 through EB8) with a hand auger to depths ranging from 2 feet to 7.5 feet below ground surface (bgs) however; no indication of a tank or product piping was encountered in the soil borings.

On July 7, 2004, EnecoTech installed four monitoring wells to assess groundwater impact. The four wells were surveyed and sampled on July 12, 2004. The results of soil and groundwater samples confirmed the findings of the previous investigation performed by EnecoTech. Soil and groundwater impact appear to be limited to an area beneath the western edge of the onsite buildings and west of the buildings. A Comprehensive Site Assessment report dated September 10, 2004, was submitted to the DEH detailing the results of the Phase II ESA. EnecoTech recommended closure of the site due to the non-beneficial use designation of groundwater in the area and the lack of risk to public health.

In a letter dated September 28, 2004, the DEH requested that a work plan be submitted for the installation of an additional monitoring well south of the site to further assess soil and groundwater impact. EnecoTech submitted a work plan, which was approved in a letter from the DEH dated December 17, 2004.

EnecoTech submitted a monitoring well installation application to the DEH on February 14, 2005. The DEH approved the permit on February 24, 2005. EnecoTech also submitted an encroachment permit application in December 2004 to the City of San Diego Engineering Department, which was approved on March 1, 2005. EnecoTech retained Traffic Control Services (TCS) to prepare and submit a traffic control plan to the City of San Diego as required by conditions of the encroachment permit. The TCS plan was approved by the City of San Diego on March 2, 2005.

EnecoTech mobilized to the subject site on March 7, 2005, to direct the placement and installation of an additional groundwater monitoring well (MW5) under an approved work plan. The well was installed by Baja Exploration, a C-57 licensed drilling company, under approved well permit #LMON102932.

EnecoTech submitted the results of the additional site assessment activities in a report dated April 20, 2005. The report detailed the installation of MW5 and groundwater monitoring activities performed. EnecoTech recommended that the site be considered for closure based on the findings.

A directive from the DEH dated May 31, 2005, requested additional items be submitted to complete assessment of conditions at the site. The DEH requested a Vapor Risk Assessment be performed to assess the potential increased health risk to employees working at Empty Tomb Choppers from benzene vapors migrating into the building from impacted soil located below the shop.

VAPOR RISK ASSESSMENT

The DEH requested assessment of the potential increased health risk associated with benzene-impacted soil underlying the existing shop. GES developed a model to assess the potential increased health risks from exposure to chemical vapors volatilizing from impacted soil remaining at the site. This model used default and site-specific variables to estimate the diffusive transport of volatile organic vapors vertically through a homogeneous soil into commercial structures.

This model uses conservative, regulatory agency-approved values to estimate the potential increased health risk due to exposure of benzene vapors. Where applicable, site-specific values were used in place of the model's default values in order to more accurately reflect site conditions. The default values are conservative values that are used when the actual site-specific value is not known. Where GES used site-specific data in the model, the value and the rationale for its selection are discussed. A copy of the model is included in Appendix A.

GES compiled the data used in these models from previous assessment activities performed at the site. Soil laboratory data, as well as depth to soil impact was obtained from EnecoTech's *Limited Phase II Environmental Site Assessment Report and Additional Site Assessment Activities Report* dated August 15, 2003, and September 24, 2003, respectively. Laboratory reports for soil results from the two reports are presented in this report in Appendix B. The vapor risk assessment for the building, as well as the findings, is presented below.

Soil sampling at the subject site was performed on July 8 and 9, 2003, and September 10, 2003. Fourteen soil borings were advanced to assess soil conditions at the site. The locations of soil borings are depicted on Figure 2, along with benzene concentrations in soil. Soil samples were analyzed for total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015, and total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8015B/8021B. HA9, placed inside the shop area, encountered elevated concentrations of petroleum hydrocarbons. HA12 was placed approximately 5 feet east of HA9 on September 10, 2003, in an attempt to delineate soil impact. No petroleum hydrocarbon impact was encountered in HA12, nor were detectable concentrations of TPHg or benzene found in samples collected from HA12. Laboratory results for HA9 and HA12 are presented in Table 1 below.

TABLE 1: Soil Sampling Results for Soil Boring HA9 and HA12 (mg/kg)

Depth (feet)	DATE	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE
HA9-5.5	7/8/03	17	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.035
HA9-7.75	7/8/03	3,600	5,700	16	8.9	31	27	66
HA12-5.5	9/10/03	8.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.035
HA12-8.5	9/10/03	37	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.035

Subsurface Contaminants and Percent of Floor Slab Exposed to Vapor Flux

The soil sample collected from HA9 contained a benzene concentration of 16 mg/kg at a depth of 2.36 meters bgs. Based upon soil sample results from HA12 located 5 feet away from HA9, GES has calculated that 4.6% of the floor area of the shop is affected by vapor flux from the impact found at HA9. GES chose to model a smaller percentage of the floor slab exposed to the highest benzene concentration present, rather than a larger percentage of the floor slab exposed to a lower, averaged benzene concentration. GES believes this more conservative approach more accurately reflects site conditions.

Depth to Impact

The VRA model assessed the potential health risk from impacted soil found in HA9 at the depth of 2.36 meters bgs, measured during the July 2003 investigation.

Building Interior Height, Building Openings and Air Exchange Rate

GES used actual measured values of 3.81 meters for the interior height of the building and building openings of 3.0 meters for the Empty Tomb Choppers. GES used a typical value for the air exchange rate of 1.5 exchange/hour in commercial buildings, due to the presence of a roll-up vertical access door and the general industrial construction of the building.

Slab Factor

Building foundations offer resistance to diffusion and convective vapor transport. GES used the County of San Diego Site Assessment and Mitigation Division (SAM) default attenuation factor (crack factor) of 0.1 for a cracked concrete floor slab to assess the risk to employees of the Empty Tomb Choppers. It should be noted that the area potentially affected, near HA9 and HA12, did not exhibit cracking of the concrete floor.

Exposure Scenario

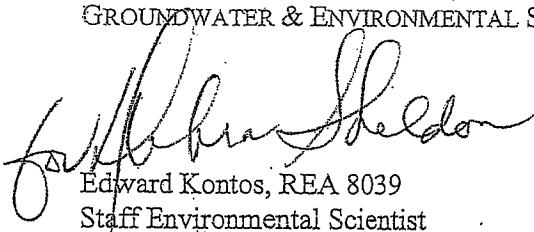
GES used default exposure scenario values for body weight (70 kilograms), inhalation rate (20 cubic meters/day), hours per day (12 hours), days per week (5 days), and weeks per year (50 weeks). According to the United States Department of Labor (USDL) report from January 2004, the median years of tenure for the automotive repair and maintenance industry is 3.2 years. GES selected conservative exposure duration of 8 years to model the potential increased health risk to employees at the Empty Tomb Choppers. This provides a greater than 200% factor of safety based upon expected exposure duration. Based upon the USDL statistics work week data, a typical work week is approximately 45 hours. The use of the default values provides an additional 25% factor of safety based upon a more typical work week. A copy of the USDL report is presented in Appendix C.

CONCLUSIONS

The results for the soil VRA model indicate a potential increased health risk of 1 in 1,042,752 persons for the 8 year exposure duration, which is lower than the DEH acceptable level of risk, which is 1 in 1,000,000 persons. Based on the results of the model presented in this VRA, the potential increased health risk from exposure to benzene vapors in Empty Tomb Choppers is within DEH acceptable limits.

Please feel free to contact the undersigned at (619) 299-0033 if you have any questions regarding this report.

Sincerely,
GROUNDWATER & ENVIRONMENTAL SERVICES, INC.



Edward Kontos, REA 8039
Staff Environmental Scientist



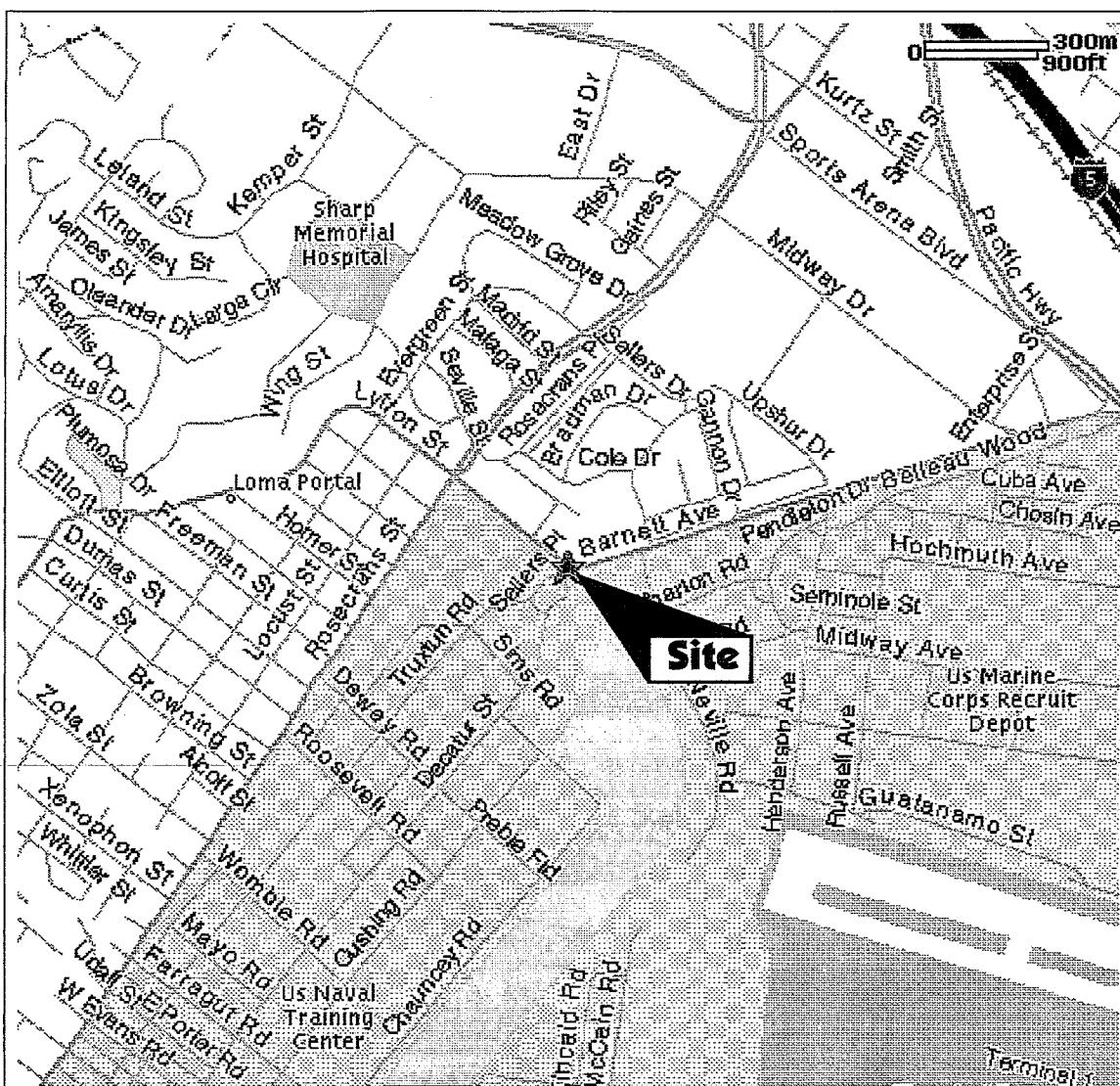
John Royal, PG 6757
Principal Hydrogeologist

Attachments: Figures 1, 2, and 3
Appendices A, B, and C

Cc: Ms. Danny Martinez – County of San Diego, SAM

FIGURES

- Figure 1: Site Location Map**
- Figure 2: Benzene Concentrations in Soil**
- Figure 3: Detail of Empty Tomb Chopper Shop**

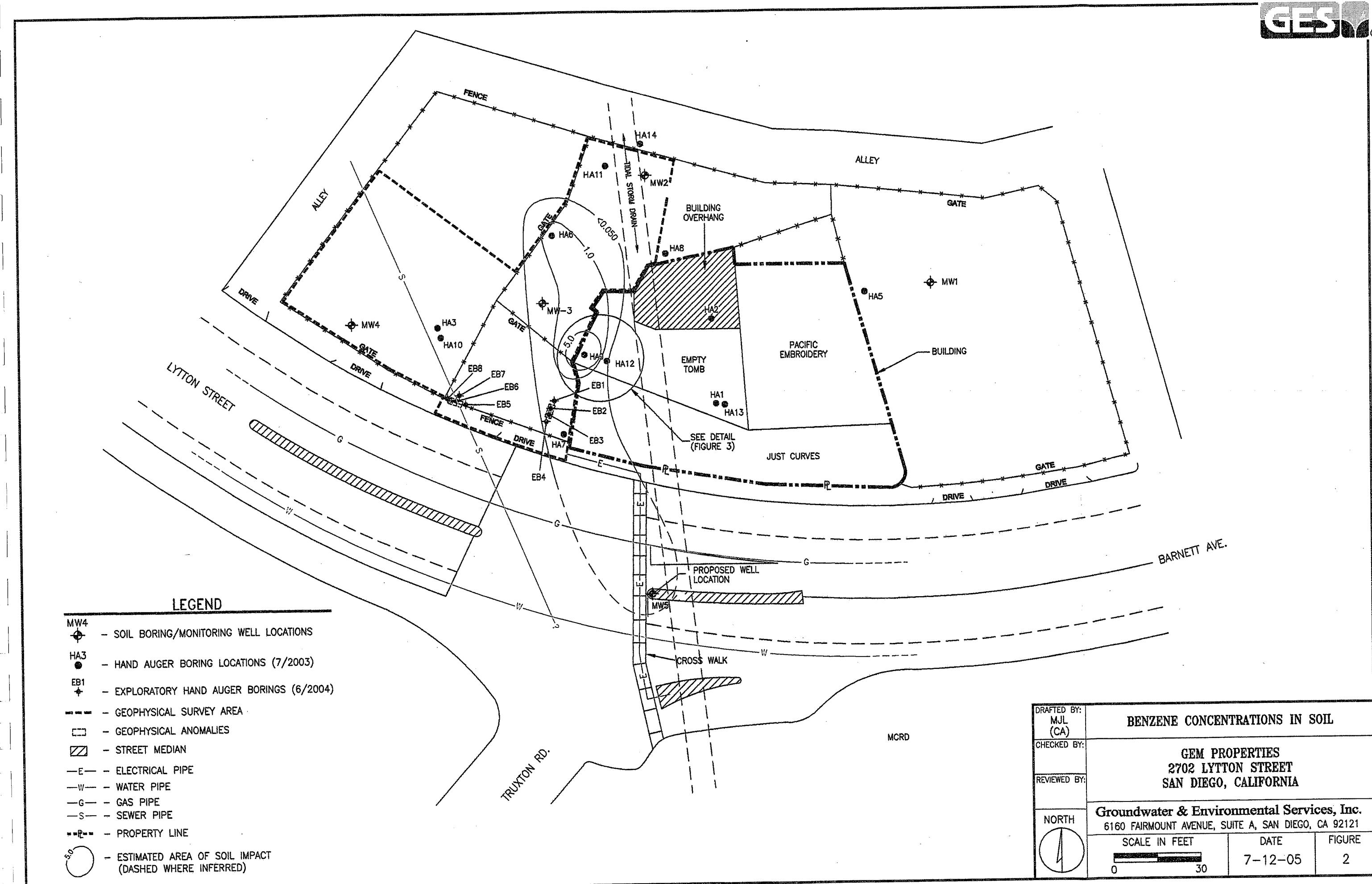


Reference Map Quest.

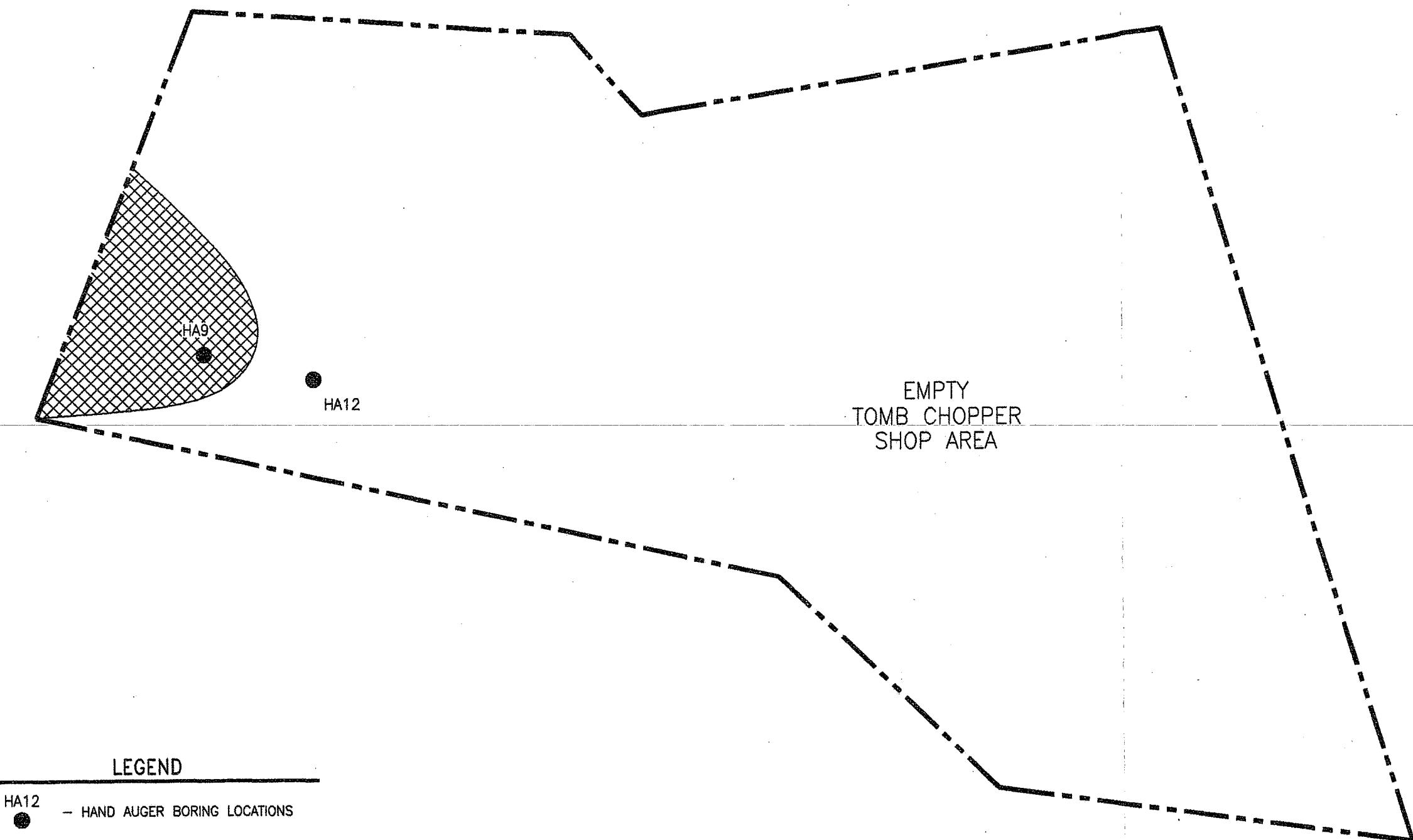
DRAFTED BY: MJL (CA)	SITE LOCATION MAP	
CHECKED BY:		
REVIEWED BY:		
NORTH		
	AS SHOWN	DATE 7-12-05
FIGURE 1		

GEM PROPERTIES
2702 LYTTON STREET
SAN DIEGO, CALIFORNIA

Groundwater & Environmental Services, Inc.
6160 FAIRMOUNT AVENUE, SUITE A, SAN DIEGO, CA 92121



MW-3

LEGEND

- HA12 — HAND AUGER BORING LOCATIONS
- MW-3 — MONITORING WELL LOCATIONS
- ESTIMATED OF SOIL IMPACT UNDER THE BUILDING

DRAFTED BY:	
MJL	(CA)
CHECKED BY:	
REVIEWED BY:	

DETAIL OF EMPTY TOMB CHOPPERS BUILDING

GEM PROPERTIES
2702 LYTTON STREET
SAN DIEGO, CALIFORNIA

Groundwater & Environmental Services, Inc.
6160 FAIRMOUNT AVENUE, SUITE A, SAN DIEGO, CA 92121

NORTH



SCALE IN FEET
0 5

DATE
7-12-05
FIGURE
3

APPENDIX A

Vapor Risk Model

SITE ASSESSMENT & MITIGATION VAPOR RISK ASSESSMENT MODEL

Page 1-2

Input Data

Version: November 1999

Revised 01-08-2002

Case Name:

Gem Properties

CHEMICAL OF CONCERN:

Enter Chemical Name = benzene

C11 benzene	E11 dichloromethane (methylene chloride)
C12 benzo(a)pyrene	E12 ethylbenzene
C13 carbon tetrachloride	E13 naphthalene
C14 chlorobenzene	E14 methyl tertiary butyl ether (MTBE)
C15 chloroethane (ethyl chloride)	E15 tetrachloroethene (PCE)
C16 chloromethane (methyl chloride)	E16 toluene
C17 1,2-dichlorobenzene	E17 1,1,1-trichloroethane
C18 1,3-dichlorobenzene	E18 1,1,2-trichloroethane
C19 1,4-dichlorobenzene	E19 trichloroethene (TCE)
C20 1,1-dichloroethene (1,1-DCE)	E20 trichloromethane (chloroform)
C21 trans-1,2-dichloroethene	E21 vinyl chloride
C22 1,1-dichloroethane (1,1-DCA)	E22 xylene
C23 1,2-dichloroethane (1,2-DCA)	

Chemical Mixture (if app.) = Gasoline

C27 Gasoline	E27 Fuel Oil
C28 Kerosene	E28 Waste Oil
C29 Diesel	

If compound is not listed then data must be entered into the site-specific field.

SITE SPECIFIC INFORMATION			Site-Specific	Value Used
Mole fraction	dimensionless	MF		0.0036
Temperature	K	T		293
Water concentration (chemical)	ug/l	C _w		0
Soil concentration (chemical)	mg/kg	C _t	16	16
Soil concentration (TPH/TRPH)	mg/kg	C _t	5700	5700
Soil gas concentration (measured)	mg/m ³ (ug/l)	C _{sg(m)}		0
Depth of contamination or Soil Gas	m	X	2.36E+00	2.36

SITE ASSESSMENT & MITIGATION VAPOR RISK ASSESSMENT MODEL

Page 2-2

Data Input

Version: November 1999

Revised 12/20/2000

CHEMICAL PROPERTIES			Site Specific	Value Used
Henry's Law Constant	dimensionless	H		0.23
Vapor pressure	atm	VP		0.13
Molecular weight (chemical)	mg/mole	MW		78,110

Molecular weight (mixture)	mg/mole	MW(m)		100,000
Universal gas constant	atm-m3/mole-K	R	XXXXXXXXXX	8.20E-05
Diffusion coefficient in air	cm2/sec	D _a		0.088
Organic carbon partitioning coef.	cm3/gm	K _{oc}		62
SOIL PROPERTIES				
Total porosity	dimensionless	θ		0.3
Air-filled porosity	dimensionless	θ _a		0.2
Water-filled porosity	dimensionless	θ _w	XXXXXXXXXX	0.1
Bulk density (dry)	gm/cc	r _b		1.8
Weight fraction of organic carbon	dimensionless	foc		0.01
BUILDING SPECIFICATIONS				
Floor area of building	m ²	A	122	122
% of floor area that flux occurs	dimensionless		5%	5%
Interior Height of building	m	R _h	3.81	3.81
Exchange rate of air	exchanges/hr	E	1.5	1.5
Attenuation factor(Crack factor)	dimensionless	S _b		0.1
OUTDOOR AIR COMPONENT				
Downwind contamination length	m	L		0
Wind speed	m/hr	u		16000
Height of building openings	m	h	3	3
EXPOSURE SCENARIO Default values are for Industrial Uses				
Body weight	kg	BW		70
Inhalation rate	m ³ /day	IR		20
Exposure duration	yrs	ED	8	8
Hours per day	hr/day			12
Days per week	days/week			5
Weeks per year	weeks/yr			50
HEALTH RISK FACTORS				
Reference dose	mg/kg-day	RfD		0.0017
Slope factor (potency)	1/(mg/kg-day)	SF		0.1

SITE ASSESSMENT & MITIGATION VAPOR RISK ASSESSMENT MODEL

Risk Calculations

Page 1-2

Version: November 1999

Revised 01-08-2002

Case Name: Gem Properties

Chemical: benzene

Variable Descriptions	Units
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CALCULATION OF SOIL GAS CONCENTRATION

A. SOURCE - Free Product/Soil>100mg/kg.

Mole fraction	MF	=	3.59E-03	dimensionless
Molecular weight	MW	=	7.81E+04	mg/mole
Vapor pressure	VP	=	1.30E-01	atm
Universal gas constant	R	=	8.20E-05	atm-m3/mole-K
Temperature	T	=	2.93E+02	K
Calculated soil gas concentration	C_{sg}(fp)	=	1.52E+03	mg/m3

B. SOURCE - Groundwater

Water contamination level	C _w	=	0.00E+00	ug/l
Henry's Law Constant	H	=	2.30E-01	dimensionless
Calculated soil gas concentration	C_{sg}(gw)	=	0.00E+00	mg/m3

C. SOURCE - Soil < 100 mg/kg

Soil contamination level	C _t	=	1.60E+01	mg/kg
Henry's Law Constant	H	=	2.30E-01	dimensionless
Bulk density (dry)	ρ _b	=	1.80E+00	gm/cc
Air-filled porosity	θ _a	=	2.00E-01	dimensionless
Water-filled porosity	θ _w	=	1.00E-01	dimensionless
Soil/water distribution coef.	K _d	=	6.20E-01	cm ³ /gm
Calculated soil gas concentration	C_{sg}(s)	=	5.25E+03	mg/m3

D. SOURCE - Measured Soil Gas

Measured soil gas concentration	C _{sg} (m)	=	0.00E+00	mg/m3 (ug/l)
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E. SOIL GAS CONCENTRATION USED IN RISK CALCULATIONS >>> **1.52E+03 mg/m3**

DIFFUSIVE TRANSPORT UPWARD IN UNSATURATED ZONE

Total porosity	θ	=	3.00E-01	dimensionless
Air-filled porosity	θ _a	=	2.00E-01	dimensionless
Diffusion coefficient in air	D _a	=	8.80E-02	cm ² /sec
Effective diffusion coefficient	D_e	=	4.60E-03	cm²/sec
Depth of contamination or C _{sg}	X	=	2.36E+00	m
Calculated Flux	F_x	=	1.07E+00	mg/m²-hour

Case Name: Gem Properties**CALCULATING VAPOR CONCENTRATION IN BUILDING****A. INDOOR AIR COMPONENT**

Floor area of building	A	=	1.22E+02	m ²
% of floor area that flux occurs		=	4.60E-02	dimensionless
Attenuation factor(Crack factor)	S _b	=	1.00E-01	dimensionless
Flux area within building	Af	=	5.61E-01	m ²
Interior Height of building	R _h	=	3.81E+00	m
Volume of building	V	=	4.65E+02	m ³
Exchange rate of air	E	=	1.50E+00	exchanges/hr
Ventilation rate	Q	=	6.97E+02	m ³ /hr
Indoor air component	C_i	=	8.58E-04	mg/m ³

B. OUTDOOR AIR COMPONENT

Downwind contamination length	L	=	0.00E+00	m
Wind speed	u	=	1.60E+04	m/hr
Height of building openings (or height of breathing zone)	h	=	3.00E+00	m
Outdoor air component	C_o	=	0.00E+00	mg/m ³
C. TOTAL INDOOR AIR CONCENTRATION	C_t	=	8.58E-04	mg/m ³

EXPOSURE SCENARIO

Body weight	BW	=	7.00E+01	kg
Inhalation rate	IR	=	2.00E+01	m ³ /day
Exposure duration	ED	=	8.00E+00	yrs
Hours per day	conversion		1.20E+01	hr/day
Exposure time	ET	=	5.00E-01	hr/24 hours
Days per week	conversion		5.00E+00	days/week
Weeks per year	conversion		5.00E+01	weeks/yr
Exposure frequency	EF	=	2.50E+02	days/yr
Averaging Time (carc. risk)	AT	=	2.56E+04	days
Averaging Time (non-carc. risk)	AT	=	2.92E+03	days
Chemical Intake (carc. risk)	IT_c	=	9.59E-06	mg/kg-day
Chemical Intake (non-carc. risk)	IT_{nc}	=	8.39E-05	mg/kg-day

NON-CARCINOGENIC RISK (Chronic Risk)

Chemical Intake (non-carc. risk)	IT _{nc}	=	8.39E-05	mg/kg-day
Reference dose	RfD	=	1.70E-03	mg/kg-day
Hazard Index	HI	=	4.94E-02	

CARCINOGENIC RISK

Chemical Intake (carc. risk)	IT _c	=	9.59E-06	mg/kg-day
Slope factor (potency)	SF	=	1.00E-01	1/(mg/kg-day)
Cancer Risk	Risk	=	9.59E-07	

APPENDIX B

Laboratory Reports

LABORATORY REPORT

Prepared For: Enecotech Southwest, Inc.-San Diego
 6160 Fairmount Avenue, Suite A
 San Diego, CA 92120
 Attention: John Royal

Project: Lytton Street
 02-02041-001

Sampled: 07/08/03-07/09/03
 Received: 07/10/03
 Issued: 07/22/03

NELAP #01108CA CA ELAP #1197

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IMG0422-01	HA1-Surface	Soil
IMG0422-02	HA2-Surface	Soil
IMG0422-03	HA4-3.5	Soil
IMG0422-04	HA5-9.5	Soil
IMG0422-05	HA6-10.5	Soil
IMG0422-06	HA7-7.0	Soil
IMG0422-07	HA7-9.5	Soil
IMG0422-08	HA8-5.0	Soil
IMG0422-09	HA9-5.5	Soil
IMG0422-10	HA9-7.75	Soil
IMG0422-11	HA5	Water
IMG0422-12	HA6	Water
IMG0422-13	HA7	Water


Del Mar Analytical, Irvine
 Amanda Cordova
 Project Manager

Enecotech Southwest, Inc.-San Diego
 6160 Fairmount Avenue, Suite A
 San Diego, CA 92120
 Attention: John Royal

Project ID: Lytton Street
 02-02041-001
 Report Number: IMG0422

Sampled: 07/08/03-07/09/03
 Received: 07/10/03

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMG0422-01 (HA1-Surface - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3G16039	5.0	55	1	7/16/2003	7/17/2003	CRb
<i>Surrogate: n-Octacosane (40-140%)</i>								
Sample ID: IMG0422-02 (HA2-Surface - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3G16039	40	960	8	7/16/2003	7/21/2003	CRa
<i>Surrogate: n-Octacosane (40-140%)</i>								
Sample ID: IMG0422-03 (HA4-3.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3G16039	10	250	2	7/16/2003	7/20/2003	CRb
<i>Surrogate: n-Octacosane (40-140%)</i>								
Sample ID: IMG0422-04 (HA5-9.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3G16039	5.0	8.1	1	7/16/2003	7/17/2003	CR
<i>Surrogate: n-Octacosane (40-140%)</i>								
Sample ID: IMG0422-05 (HA6-10.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3G16039	120	2000	25	7/16/2003	7/19/2003	CRb
<i>Surrogate: n-Octacosane (40-140%)</i>								
Sample ID: IMG0422-06 (HA7-7.0 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3G16039	10	160	2	7/16/2003	7/19/2003	CR
<i>Surrogate: n-Octacosane (40-140%)</i>								
Sample ID: IMG0422-07 (HA7-9.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3G16039	5.0	120	1	7/16/2003	7/17/2003	CR
<i>Surrogate: n-Octacosane (40-140%)</i>								
Sample ID: IMG0422-08 (HA8-5.0 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3G16039	10	49	2	7/16/2003	7/21/2003	CR
<i>Surrogate: n-Octacosane (40-140%)</i>								

Del Mar Analytical, Irvine
 Amanda Cordova
 Project Manager

Enecotech Southwest, Inc.-San Diego
 6160 Fairmount Avenue, Suite A
 San Diego, CA 92120
 Attention: John Royal

Project ID: Lytton Street
 02-02041-001
 Report Number: IMG0422

Sampled: 07/08/03-07/09/03
 Received: 07/10/03

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMG0422-09 (HA9-5.5 - Soil)								Sampled: 07/09/03
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3G16039	5.0	17	1	7/16/2003	7/17/2003	CRa
Surrogate: n-Octacosane (40-140%)								
Sample ID: IMG0422-10 (HA9-7.75 - Soil)								Sampled: 07/09/03
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3G16039	500	3600	100	7/16/2003	7/19/2003	CR
Surrogate: n-Octacosane (40-140%)								Z3

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Sampled: 07/08/03-07/09/03
 Received: 07/10/03

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/8015 CADHS Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMG0422-11 (HA5 - Water)	Sampled: 07/08/03							
Reporting Units: mg/l								
EFH (C8 - C40)	EPA 8015B	3G12026	0.83	1.2	1.67	7/12/2003	7/16/2003	CRa
Surrogate: n-Octacosane (40-140%)				81 %				
Sample ID: IMG0422-12 (HA6 - Water)	Sampled: 07/08/03							
Reporting Units: mg/l								
EFH (C8 - C40)	EPA 8015B	3G12026	9.1	52	18.2	7/12/2003	7/17/2003	CR
Surrogate: n-Octacosane (40-140%)				221 %				Z3

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Sampled: 07/08/03-07/09/03
 Received: 07/10/03

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMG0422-04 (HA5-9.5 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3G14031	1.0	ND	1	7/14/2003	7/15/2003	
Benzene	EPA 8015B/8021	3G14031	0.0050	ND	1	7/14/2003	7/15/2003	
Toluene	EPA 8015B/8021	3G14031	0.0050	ND	1	7/14/2003	7/15/2003	
Ethylbenzene	EPA 8015B/8021	3G14031	0.0050	ND	1	7/14/2003	7/15/2003	
Total Xylenes	EPA 8015B/8021	3G14031	0.015	ND	1	7/14/2003	7/15/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3G14031	0.035	ND	1	7/14/2003	7/15/2003	
<i>Surrogate: 4-BFB (PID) (65-125%)</i>				96 %				
<i>Surrogate: 4-BFB (FID) (65-130%)</i>				86 %				
Sample ID: IMG0422-05 (HA6-10.5 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3G14089	400	1500	400	7/14/2003	7/16/2003	
Benzene	EPA 8015B/8021	3G14089	2.0	2.9	400	7/14/2003	7/16/2003	
Toluene	EPA 8015B/8021	3G14089	2.0	7.9	400	7/14/2003	7/16/2003	
Ethylbenzene	EPA 8015B/8021	3G14089	2.0	4.9	400	7/14/2003	7/16/2003	
Total Xylenes	EPA 8015B/8021	3G14089	6.0	15	400	7/14/2003	7/16/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3G14089	14	ND	400	7/14/2003	7/16/2003	
<i>Surrogate: 4-BFB (PID) (65-125%)</i>				246 %				ZX
<i>Surrogate: 4-BFB (FID) (65-130%)</i>				670 %				Z5
Sample ID: IMG0422-06 (HA7-7.0 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3G14089	100	470	100	7/14/2003	7/16/2003	
Benzene	EPA 8015B/8021	3G14089	0.50	ND	100	7/14/2003	7/16/2003	RL-2
Toluene	EPA 8015B/8021	3G14089	0.50	ND	100	7/14/2003	7/16/2003	RL-2
Ethylbenzene	EPA 8015B/8021	3G14089	0.50	1.7	100	7/14/2003	7/16/2003	
Total Xylenes	EPA 8015B/8021	3G14089	1.5	3.6	100	7/14/2003	7/16/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3G14089	3.5	ND	100	7/14/2003	7/16/2003	RL-2
<i>Surrogate: 4-BFB (PID) (65-125%)</i>				188 %				ZX
<i>Surrogate: 4-BFB (FID) (65-130%)</i>				505 %				Z5

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Sampled: 07/08/03-07/09/03
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VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMG0422-07 (HA7-9.5 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3G14089	100	520	100	7/14/2003	7/16/2003	
Benzene	EPA 8015B/8021	3G14089	0.50	ND	100	7/14/2003	7/16/2003	
Toluene	EPA 8015B/8021	3G14089	0.50	1.2	100	7/14/2003	7/16/2003	
Ethylbenzene	EPA 8015B/8021	3G14089	0.50	2.6	100	7/14/2003	7/16/2003	
Total Xylenes	EPA 8015B/8021	3G14089	1.5	3.8	100	7/14/2003	7/16/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3G14089	3.5	ND	100	7/14/2003	7/16/2003	
<i>Surrogate: 4-BFB (PID) (65-125%)</i>				108 %				
<i>Surrogate: 4-BFB (FID) (65-130%)</i>				468 %				Z5
Sample ID: IMG0422-09 (HA9-5.5 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3G18003	1.0	ND	1	7/18/2003	7/19/2003	
Benzene	EPA 8015B/8021	3G18003	0.0050	ND	1	7/18/2003	7/19/2003	
Toluene	EPA 8015B/8021	3G18003	0.0050	ND	1	7/18/2003	7/19/2003	
Ethylbenzene	EPA 8015B/8021	3G18003	0.0050	ND	1	7/18/2003	7/19/2003	
Total Xylenes	EPA 8015B/8021	3G18003	0.015	ND	1	7/18/2003	7/19/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3G18003	0.035	ND	1	7/18/2003	7/19/2003	
<i>Surrogate: 4-BFB (PID) (65-125%)</i>				97 %				
<i>Surrogate: 4-BFB (FID) (65-130%)</i>				104 %				
Sample ID: IMG0422-10 (HA9-7.75 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3G14089	1000	5700	1000	7/14/2003	7/18/2003	
Benzene	EPA 8015B/8021	3G14089	5.0	16	1000	7/14/2003	7/18/2003	
Toluene	EPA 8015B/8021	3G14089	5.0	8.9	1000	7/14/2003	7/18/2003	
Ethylbenzene	EPA 8015B/8021	3G14089	5.0	31	1000	7/14/2003	7/18/2003	
Total Xylenes	EPA 8015B/8021	3G14089	15	27	1000	7/14/2003	7/18/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3G14089	35	66	1000	7/14/2003	7/18/2003	
<i>Surrogate: 4-BFB (PID) (65-125%)</i>				620 %				ZX
<i>Surrogate: 4-BFB (FID) (65-130%)</i>				16100 %				ZX

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VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMG0422-11 (HA5 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3G17003	50	ND	1	7/17/2003	7/17/2003	
Benzene	EPA 8015B/8021	3G17003	0.30	ND	1	7/17/2003	7/17/2003	
Toluene	EPA 8015B/8021	3G17003	0.30	ND	1	7/17/2003	7/17/2003	
Ethylbenzene	EPA 8015B/8021	3G17003	0.30	ND	1	7/17/2003	7/17/2003	
Total Xylenes	EPA 8015B/8021	3G17003	0.60	ND	1	7/17/2003	7/17/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3G17003	10	ND	1	7/17/2003	7/17/2003	
<i>Surrogate: 4-BFB (PID) (70-130%)</i>				97 %				
<i>Surrogate: 4-BFB (FID) (70-140%)</i>				96 %				
Sample ID: IMG0422-12 (HA6 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3G19002	1000	5800	20	7/19/2003	7/19/2003	
Benzene	EPA 8015B/8021	3G19002	6.0	6.9	20	7/19/2003	7/19/2003	
Toluene	EPA 8015B/8021	3G19002	6.0	7.2	20	7/19/2003	7/19/2003	
Ethylbenzene	EPA 8015B/8021	3G19002	6.0	18	20	7/19/2003	7/19/2003	
Total Xylenes	EPA 8015B/8021	3G19002	12	26	20	7/19/2003	7/19/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3G19002	200	ND	20	7/19/2003	7/19/2003	
<i>Surrogate: 4-BFB (PID) (70-130%)</i>				67 %				ZX
<i>Surrogate: 4-BFB (FID) (70-140%)</i>				99 %				
Sample ID: IMG0422-13 (HA7 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3G19002	100	2600	2	7/19/2003	7/19/2003	
Benzene	EPA 8015B/8021	3G19002	0.60	5.5	2	7/19/2003	7/19/2003	
Toluene	EPA 8015B/8021	3G19002	0.60	1.2	2	7/19/2003	7/19/2003	
Ethylbenzene	EPA 8015B/8021	3G19002	0.60	79	2	7/19/2003	7/19/2003	
Total Xylenes	EPA 8015B/8021	3G19002	1.2	7.9	2	7/19/2003	7/19/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3G19002	20	ND	2	7/19/2003	7/19/2003	
<i>Surrogate: 4-BFB (PID) (70-130%)</i>				52 %				ZX
<i>Surrogate: 4-BFB (FID) (70-140%)</i>				120 %				

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EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 3G16039 Extracted: 07/16/03</u>										
Blank Analyzed: 07/17/03 (3G16039-BLK1)										
EFH (C8 - C40) ND 5.0 mg/kg										
Surrogate: n-Octacosane 5.05 mg/kg 6.67 76 40-140										
LCS Analyzed: 07/17/03 (3G16039-BS1)										
EFH (C8 - C40) 17.6 5.0 mg/kg 33.3 53 50-115										
Surrogate: n-Octacosane 4.11 mg/kg 6.67 62 40-140										
Matrix Spike Analyzed: 07/17/03 (3G16039-MS1)										
EFH (C8 - C40) 76.2 5.0 mg/kg 33.3 55 64 35-120										
Surrogate: n-Octacosane 6.04 mg/kg 6.67 91 40-140										
Matrix Spike Dup Analyzed: 07/17/03 (3G16039-MSD1)										
EFH (C8 - C40) 67.8 5.0 mg/kg 33.3 55 38 35-120 12 30										
Surrogate: n-Octacosane 5.81 mg/kg 6.67 87 40-140										

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EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/8015 CADHS Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 3G12026 Extracted: 07/12/03</u>										
Blank Analyzed: 07/18/03 (3G12026-BLK1)										
EFH (C8 - C40) ND 0.50 mg/l 0.200 106 40-140										
Surrogate: n-Octacosane 0.213 mg/l										
LCS Analyzed: 07/15/03 (3G12026-BS1)										
EFH (C8 - C40) 0.699 0.50 mg/l 1.00 70 50-115										
Surrogate: n-Octacosane 0.175 mg/l 0.200 88 40-140										
LCS Dup Analyzed: 07/15/03 (3G12026-BSD1)										
EFH (C8 - C40) 0.667 0.50 mg/l 1.00 67 50-115 5 30										
Surrogate: n-Octacosane 0.157 mg/l 0.200 78 40-140										
M-NR1										

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VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 3G14031 Extracted: 07/14/03

Blank Analyzed: 07/14/03 (3G14031-BLK1)

Volatile Fuel Hydrocarbons (C6-C12)	ND	1.0	mg/kg						
Benzene	ND	0.0050	mg/kg						
Toluene	ND	0.0050	mg/kg						
Ethylbenzene	ND	0.0050	mg/kg						
Total Xylenes	ND	0.015	mg/kg						
Methyl-tert-butyl Ether (MTBE)	ND	0.035	mg/kg						
<i>Surrogate: 4-BFB (PID)</i>	0.0432		mg/kg	0.0500		86	65-125		
<i>Surrogate: 4-BFB (FID)</i>	0.0408		mg/kg	0.0500		82	65-130		

LCS Analyzed: 07/14/03 (3G14031-BS1)

Volatile Fuel Hydrocarbons (C6-C12)	1.41	1.0	mg/kg	1.10		128	80-135		
Benzene	0.0954	0.0050	mg/kg	0.100		95	80-120		
Toluene	0.0964	0.0050	mg/kg	0.100		96	80-120		
Ethylbenzene	0.100	0.0050	mg/kg	0.100		100	80-120		
Total Xylenes	0.305	0.015	mg/kg	0.300		102	80-120		
Methyl-tert-butyl Ether (MTBE)	1.43	0.035	mg/kg	1.50		95	70-135		
<i>Surrogate: 4-BFB (PID)</i>	0.0509		mg/kg	0.0500		102	65-125		
<i>Surrogate: 4-BFB (FID)</i>	0.0618		mg/kg	0.0500		124	65-130		

Matrix Spike Analyzed: 07/14/03 (3G14031-MS1)

Volatile Fuel Hydrocarbons (C6-C12)	1.25	1.0	mg/kg	1.10	ND	114	70-140		
Benzene	0.0956	0.0050	mg/kg	0.100	ND	96	80-120		
Toluene	0.0968	0.0050	mg/kg	0.100	ND	97	80-120		
Ethylbenzene	0.102	0.0050	mg/kg	0.100	ND	102	80-120		
Total Xylenes	0.311	0.015	mg/kg	0.300	ND	104	80-120		
Methyl-tert-butyl Ether (MTBE)	1.42	0.035	mg/kg	1.50	ND	95	60-145		
<i>Surrogate: 4-BFB (PID)</i>	0.0506		mg/kg	0.0500		101	65-125		
<i>Surrogate: 4-BFB (FID)</i>	0.0541		mg/kg	0.0500		108	65-130		

Source: IMG0597-03

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VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 3G14031 Extracted: 07/14/03

Matrix Spike Dup Analyzed: 07/14/03 (3G14031-MSD1)

Volatile Fuel Hydrocarbons (C6-C12)	1.17	1.0	mg/kg	1.10	ND	106	70-140	7	25
Benzene	0.0945	0.0050	mg/kg	0.100	ND	94	80-120	1	20
Toluene	0.0959	0.0050	mg/kg	0.100	ND	96	80-120	1	20
Ethylbenzene	0.101	0.0050	mg/kg	0.100	ND	101	80-120	1	20
Total Xylenes	0.308	0.015	mg/kg	0.300	ND	103	80-120	1	20
Methyl-tert-butyl Ether (MTBE)	1.54	0.035	mg/kg	1.50	ND	103	60-145	8	30
<i>Surrogate: 4-BFB (PID)</i>	<i>0.0521</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>104</i>	<i>65-125</i>		
<i>Surrogate: 4-BFB (FID)</i>	<i>0.0515</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>103</i>	<i>65-130</i>		

Batch: 3G14089 Extracted: 07/14/03

Blank Analyzed: 07/14/03 (3G14089-BLK1)

Volatile Fuel Hydrocarbons (C6-C12)	ND	20	mg/kg
Benzene	ND	0.10	mg/kg
Toluene	ND	0.10	mg/kg
Ethylbenzene	ND	0.10	mg/kg
Total Xylenes	ND	0.30	mg/kg
Methyl-tert-butyl Ether (MTBE)	ND	0.70	mg/kg
<i>Surrogate: 4-BFB (PID)</i>	<i>1.42</i>	<i>mg/kg</i>	<i>2.00</i>
<i>Surrogate: 4-BFB (FID)</i>	<i>1.77</i>	<i>mg/kg</i>	<i>2.00</i>

LCS Analyzed: 07/14/03 (3G14089-BS1)

Volatile Fuel Hydrocarbons (C6-C12)	54.2	40	mg/kg	44.0	123	80-135
Benzene	4.23	0.20	mg/kg	4.00	106	80-120
Toluene	4.34	0.20	mg/kg	4.00	108	80-120
Ethylbenzene	4.46	0.20	mg/kg	4.00	112	80-120
Total Xylenes	13.6	0.60	mg/kg	12.0	113	80-120
Methyl-tert-butyl Ether (MTBE)	62.1	1.4	mg/kg	60.0	104	70-135
<i>Surrogate: 4-BFB (PID)</i>	<i>2.04</i>	<i>mg/kg</i>	<i>2.00</i>	<i>102</i>	<i>65-125</i>	
<i>Surrogate: 4-BFB (FID)</i>	<i>2.13</i>	<i>mg/kg</i>	<i>2.00</i>	<i>106</i>	<i>65-130</i>	

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 Received: 07/10/03

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VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit Qualifiers
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Batch: 3G14089 Extracted: 07/14/03

Matrix Spike Analyzed: 07/15/03 (3G14089-MS1)

Volatile Fuel Hydrocarbons (C6-C12)	19000	2000	mg/kg	44.0	15000	9090	70-140		M-HA
Benzene	7.48	10	mg/kg	4.00	ND	187	80-120		M1
Toluene	40.4	10	mg/kg	4.00	25	385	80-120		M-HA
Ethylbenzene	57.7	10	mg/kg	4.00	38	492	80-120		M-HA
Total Xylenes	360	30	mg/kg	12.0	250	917	80-120		M-HA
Methyl-tert-butyl Ether (MTBE)	95.2	70	mg/kg	60.0	21	124	60-145		
<i>Surrogate: 4-BFB (PID)</i>	12.5		mg/kg	2.00		625	65-125		ZX
<i>Surrogate: 4-BFB (FID)</i>	90.5		mg/kg	2.00		4520	65-130		Z5

Matrix Spike Dup Analyzed: 07/15/03 (3G14089-MSD1)

Volatile Fuel Hydrocarbons (C6-C12)	12400	2000	mg/kg	44.0	15000	-5910	70-140	42	25	M-HA, R-3
Benzene	4.82	10	mg/kg	4.00	ND	120	80-120	43	20	R-3
Toluene	22.1	10	mg/kg	4.00	25	-72	80-120	59	20	M-HA, R-3
Ethylbenzene	34.8	10	mg/kg	4.00	38	-80	80-120	50	20	M-HA, R-3
Total Xylenes	225	30	mg/kg	12.0	250	-208	80-120	46	20	M-HA, R-3
Methyl-tert-butyl Ether (MTBE)	55.9	70	mg/kg	60.0	21	58	60-145	52	30	M2, R-3
<i>Surrogate: 4-BFB (PID)</i>	8.22		mg/kg	2.00		411	65-125			ZX
<i>Surrogate: 4-BFB (FID)</i>	60.1		mg/kg	2.00		3000	65-130			Z5

Batch: 3G17003 Extracted: 07/17/03

Blank Analyzed: 07/17/03 (3G17003-BLK1)

Volatile Fuel Hydrocarbons (C6-C12)	ND	50	ug/l						
Benzene	ND	0.30	ug/l						
Toluene	ND	0.30	ug/l						
Ethylbenzene	ND	0.30	ug/l						
Total Xylenes	ND	0.60	ug/l						
Methyl-tert-butyl Ether (MTBE)	ND	10	ug/l						
<i>Surrogate: 4-BFB (PID)</i>	9.90		ug/l	10.0		99	70-130		
<i>Surrogate: 4-BFB (FID)</i>	8.73		ug/l	10.0		87	70-140		

Del Mar Analytical, Irvine
 Amanda Cordova
 Project Manager

Eneotech Southwest, Inc.-San Diego
 6160 Fairmount Avenue, Suite A
 San Diego, CA 92120
 Attention: John Royal

Project ID: Lytton Street
 02-02041-001
 Report Number: IMG0422

Sampled: 07/08/03-07/09/03
 Received: 07/10/03

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 3G17003 Extracted: 07/17/03

LCS Analyzed: 07/17/03 (3G17003-BS1)

Volatile Fuel Hydrocarbons (C6-C12)	245	50	ug/l	220	111	80-130				
Benzene	20.8	0.30	ug/l	20.0	104	80-120				
Toluene	21.9	0.30	ug/l	20.0	110	80-120				
Ethylbenzene	21.9	0.30	ug/l	20.0	110	85-125				
Total Xylenes	66.2	0.60	ug/l	60.0	110	80-125				
Methyl-tert-butyl Ether (MTBE)	313	10	ug/l	300	104	60-140				
<i>Surrogate: 4-BFB (PID)</i>	<i>10.7</i>		<i>ug/l</i>	<i>10.0</i>	<i>107</i>	<i>70-130</i>				
<i>Surrogate: 4-BFB (FID)</i>	<i>10.0</i>		<i>ug/l</i>	<i>10.0</i>	<i>100</i>	<i>70-140</i>				

Matrix Spike Analyzed: 07/17/03 (3G17003-MS1)

Volatile Fuel Hydrocarbons (C6-C12)	243	50	ug/l	220	ND	110	70-135			
Benzene	20.3	0.30	ug/l	20.0	ND	102	75-120			
Toluene	21.3	0.30	ug/l	20.0	ND	106	75-120			
Ethylbenzene	21.1	0.30	ug/l	20.0	ND	106	80-125			
Total Xylenes	63.8	0.60	ug/l	60.0	ND	106	75-125			
Methyl-tert-butyl Ether (MTBE)	429	10	ug/l	300	ND	143	60-140			<i>M1</i>
<i>Surrogate: 4-BFB (PID)</i>	<i>11.4</i>		<i>ug/l</i>	<i>10.0</i>		<i>114</i>	<i>70-130</i>			
<i>Surrogate: 4-BFB (FID)</i>	<i>10.7</i>		<i>ug/l</i>	<i>10.0</i>		<i>107</i>	<i>70-140</i>			

Matrix Spike Dup Analyzed: 07/17/03 (3G17003-MSD1)

Volatile Fuel Hydrocarbons (C6-C12)	244	50	ug/l	220	ND	111	70-135	0	20	
Benzene	20.4	0.30	ug/l	20.0	ND	102	75-120	1	20	
Toluene	21.0	0.30	ug/l	20.0	ND	105	75-120	1	20	
Ethylbenzene	21.0	0.30	ug/l	20.0	ND	105	80-125	1	20	
Total Xylenes	63.7	0.60	ug/l	60.0	ND	106	75-125	0	20	
Methyl-tert-butyl Ether (MTBE)	351	10	ug/l	300	ND	117	60-140	20	25	
<i>Surrogate: 4-BFB (PID)</i>	<i>11.5</i>		<i>ug/l</i>	<i>10.0</i>		<i>115</i>	<i>70-130</i>			
<i>Surrogate: 4-BFB (FID)</i>	<i>10.7</i>		<i>ug/l</i>	<i>10.0</i>		<i>107</i>	<i>70-140</i>			

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Project ID: Lytton Street
 02-02041-001
 Report Number: IMG0422

Sampled: 07/08/03-07/09/03
 Received: 07/10/03

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit Qualifiers
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Batch: 3G18003 Extracted: 07/18/03

Blank Analyzed: 07/18/03 (3G18003-BLK1)

Volatile Fuel Hydrocarbons (C6-C12)	ND	1.0	mg/kg						
Benzene	ND	0.0050	mg/kg						
Toluene	ND	0.0050	mg/kg						
Ethylbenzene	ND	0.0050	mg/kg						
Total Xylenes	ND	0.015	mg/kg						
Methyl-tert-butyl Ether (MTBE)	ND	0.035	mg/kg						
<i>Surrogate: 4-BFB (PID)</i>	0.0478		mg/kg	0.0500		96	65-125		
<i>Surrogate: 4-BFB (FID)</i>	0.0492		mg/kg	0.0500		98	65-130		

LCS Analyzed: 07/18/03 (3G18003-BS1)

Volatile Fuel Hydrocarbons (C6-C12)	1.19	1.0	mg/kg	1.10		108	80-135		
Benzene	0.0975	0.0050	mg/kg	0.100		97	80-120		
Toluene	0.101	0.0050	mg/kg	0.100		101	80-120		
Ethylbenzene	0.101	0.0050	mg/kg	0.100		101	80-120		
Total Xylenes	0.305	0.015	mg/kg	0.300		102	80-120		
Methyl-tert-butyl Ether (MTBE)	1.52	0.035	mg/kg	1.50		101	70-135		
<i>Surrogate: 4-BFB (PID)</i>	0.0546		mg/kg	0.0500		109	65-125		
<i>Surrogate: 4-BFB (FID)</i>	0.0533		mg/kg	0.0500		107	65-130		

Matrix Spike Analyzed: 07/18/03 (3G18003-MS1)

Volatile Fuel Hydrocarbons (C6-C12)	1.18	1.0	mg/kg	1.10	ND	107	70-140		
Benzene	0.0816	0.0050	mg/kg	0.100	ND	82	80-120		
Toluene	0.0848	0.0050	mg/kg	0.100	ND	85	80-120		
Ethylbenzene	0.0849	0.0050	mg/kg	0.100	ND	85	80-120		
Total Xylenes	0.255	0.015	mg/kg	0.300	0.0019	84	80-120		
Methyl-tert-butyl Ether (MTBE)	1.26	0.035	mg/kg	1.50	0.012	83	60-145		
<i>Surrogate: 4-BFB (PID)</i>	0.0505		mg/kg	0.0500		101	65-125		
<i>Surrogate: 4-BFB (FID)</i>	0.0574		mg/kg	0.0500		115	65-130		

Source: IMG0500-16

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Project ID: Lytton Street
 02-02041-001
 Report Number: IMG0422

Sampled: 07/08/03-07/09/03
 Received: 07/10/03

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 3G18003 Extracted: 07/18/03

Matrix Spike Dup Analyzed: 07/18/03 (3G18003-MSD1)

					Source: IMG0500-16				
Volatile Fuel Hydrocarbons (C6-C12)	1.17	1.0	mg/kg	1.10	ND	106	70-140	1	25
Benzene	0.0825	0.0050	mg/kg	0.100	ND	82	80-120	1	20
Toluene	0.0867	0.0050	mg/kg	0.100	ND	87	80-120	2	20
Ethylbenzene	0.0858	0.0050	mg/kg	0.100	ND	86	80-120	1	20
Total Xylenes	0.258	0.015	mg/kg	0.300	0.0019	85	80-120	1	20
Methyl-tert-butyl Ether (MTBE)	1.32	0.035	mg/kg	1.50	0.012	87	60-145	5	30
<i>Surrogate: 4-BFB (PID)</i>	<i>0.0511</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>102</i>	<i>65-125</i>		
<i>Surrogate: 4-BFB (FID)</i>	<i>0.0570</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>114</i>	<i>65-130</i>		

Batch: 3G19002 Extracted: 07/19/03

Blank Analyzed: 07/19/03 (3G19002-BLK1)

Volatile Fuel Hydrocarbons (C6-C12)	ND	50	ug/l						
Benzene	ND	0.30	ug/l						
Toluene	ND	0.30	ug/l						
Ethylbenzene	ND	0.30	ug/l						
Total Xylenes	ND	0.60	ug/l						
Methyl-tert-butyl Ether (MTBE)	ND	10	ug/l						
<i>Surrogate: 4-BFB (PID)</i>	<i>9.01</i>		<i>ug/l</i>	<i>10.0</i>		<i>90</i>	<i>70-130</i>		
<i>Surrogate: 4-BFB (FID)</i>	<i>8.91</i>		<i>ug/l</i>	<i>10.0</i>		<i>89</i>	<i>70-140</i>		

LCS Analyzed: 07/19/03 (3G19002-BS1)

Volatile Fuel Hydrocarbons (C6-C12)	218	50	ug/l	220		99	80-130		
Benzene	20.1	0.30	ug/l	20.0		100	80-120		
Toluene	19.9	0.30	ug/l	20.0		100	80-120		
Ethylbenzene	20.2	0.30	ug/l	20.0		101	85-125		
Total Xylenes	60.8	0.60	ug/l	60.0		101	80-125		
Methyl-tert-butyl Ether (MTBE)	282	10	ug/l	300		94	60-140		
<i>Surrogate: 4-BFB (PID)</i>	<i>9.03</i>		<i>ug/l</i>	<i>10.0</i>		<i>90</i>	<i>70-130</i>		
<i>Surrogate: 4-BFB (FID)</i>	<i>9.60</i>		<i>ug/l</i>	<i>10.0</i>		<i>96</i>	<i>70-140</i>		

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 Attention: John Royal

Project ID: Lytton Street
 02-02041-001
 Report Number: IMG0422

Sampled: 07/08/03-07/09/03
 Received: 07/10/03

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 3G19002 Extracted: 07/19/03

Matrix Spike Analyzed: 07/19/03 (3G19002-MS1)

Volatile Fuel Hydrocarbons (C6-C12)	217	50	ug/l	220	23	88	70-135			
Benzene	20.2	0.30	ug/l	20.0	ND	101	75-120			
Toluene	19.8	0.30	ug/l	20.0	0.19	98	75-120			
Ethylbenzene	20.4	0.30	ug/l	20.0	ND	102	80-125			
Total Xylenes	60.5	0.60	ug/l	60.0	ND	101	75-125			
Methyl-tert-butyl Ether (MTBE)	288	10	ug/l	300	ND	96	60-140			
<i>Surrogate: 4-BFB (PID)</i>	8.82		ug/l	10.0		88	70-130			
<i>Surrogate: 4-BFB (FID)</i>	9.24		ug/l	10.0		92	70-140			

Matrix Spike Dup Analyzed: 07/19/03 (3G19002-MSD1)

Volatile Fuel Hydrocarbons (C6-C12)	215	50	ug/l	220	23	87	70-135	1	20	
Benzene	19.6	0.30	ug/l	20.0	ND	98	75-120	3	20	
Toluene	19.3	0.30	ug/l	20.0	0.19	96	75-120	3	20	
Ethylbenzene	19.6	0.30	ug/l	20.0	ND	98	80-125	4	20	
Total Xylenes	59.0	0.60	ug/l	60.0	ND	98	75-125	3	20	
Methyl-tert-butyl Ether (MTBE)	289	10	ug/l	300	ND	96	60-140	0	25	
<i>Surrogate: 4-BFB (PID)</i>	9.26		ug/l	10.0		93	70-130			
<i>Surrogate: 4-BFB (FID)</i>	9.68		ug/l	10.0		97	70-140			

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Project ID: Lytton Street
02-02041-001
Report Number: IMG0422

Sampled: 07/08/03-07/09/03
Received: 07/10/03

DATA QUALIFIERS AND DEFINITIONS

- CR** The carbon range of the fuel found in the sample = C8-C36
- CRa** The carbon range of the fuel found in the sample = C8-C38
- CRb** The carbon range of the fuel found in the sample = C8-C40
- M-HA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- M-NR1** There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- R-3** The RPD exceeded the method control limit due to sample matrix effects.
- RL-2** Reporting limit raised due to high concentrations of hydrocarbons.
- Z3** The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
- Z5** Due to sample matrix effects, the surrogate recovery was outside acceptance limits. Secondary surrogate recovery was within the acceptance limits.
- ZX** Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

Del Mar Analytical, Irvine
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Project ID: Lytton Street
02-02041-001
Report Number: IMG0422

Sampled: 07/08/03-07/09/03
Received: 07/10/03

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 8015 MOD.	Soil	N/A	N/A
EPA 8015B/8021B	Soil	X	X
EPA 8015B/8021B	Soil-extr	X	X
EPA 8015B/8021B	Water	X	X
EPA 8015B	Water	X	X

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Amanda Cordova
Project Manager

LABORATORY REPORT

Prepared For: Enecotech Southwest, Inc.-San Diego
 6160 Fairmount Avenue, Suite A
 San Diego, CA 92120
 Attention: John Royal

Project: Lytton Street
 02-02041-001

Sampled: 07/08/03
 Received: 07/22/03
 Issued: 07/29/03

NELAP #01108CA CA ELAP #1197

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 5°C, on ice and with chain of custody documentation.

HOLDING TIMES: Not all holding times were met. Results were qualified where the sample analysis did not occur within method specified holding time requirements. Additional 8015B-Diesel analyses for IMG0422 (HA2-3.5) was requested on 7/22/03. Sample was logged in as a new work order (IMG1114) and was extracted one day past the 14 day holding time per client request.

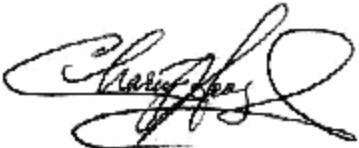
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
IMG1114-01	HA2-3.5	Soil



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Project ID: Lytton Street
 02-02041-001
 Report Number: IMG1114

Sampled: 07/08/03
 Received: 07/22/03

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMG1114-01 (HA2-3.5 - Soil)									H4
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	3G23041	3.6	10	8.2	2	07/23/03	07/28/03	B, CR, J
<i>Surrogate: n-Octacosane (40-140%)</i>					95 %				

Del Mar Analytical, Irvine
 Chariya Heang
 Project Manager

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IMG1114 <Page 2 of 5>

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 Attention: John Royal

Project ID: Lytton Street
 02-02041-001
 Report Number: IMG1114

Sampled: 07/08/03
 Received: 07/22/03

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3G23041 Extracted: 07/23/03											
Blank Analyzed: 07/24/03 (3G23041-BLK1)											
EFH (C8 - C40) 2.44 5.0 1.8 mg/kg 6.67 83 40-140 J											
Surrogate: n-Octacosane 5.53 mg/kg											
LCS Analyzed: 07/24/03 (3G23041-BS1)											
EFH (C8 - C40) 31.1 5.0 1.8 mg/kg 33.3 93 50-115											
Surrogate: n-Octacosane 6.02 mg/kg 6.67 90 40-140											
Matrix Spike Analyzed: 07/24/03 (3G23041-MS1)											
EFH (C8 - C40) 28.1 5.0 1.8 mg/kg 33.3 4.3 71 35-120											
Surrogate: n-Octacosane 5.04 mg/kg 6.67 76 40-140											
Matrix Spike Dup Analyzed: 07/24/03 (3G23041-MSD1)											
EFH (C8 - C40) 27.3 5.0 1.8 mg/kg 33.3 4.3 69 35-120 3 30											
Surrogate: n-Octacosane 5.03 mg/kg 6.67 75 40-140											

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Project ID: Lytton Street
02-02041-001
Report Number: IMG1114

Sampled: 07/08/03
Received: 07/22/03

DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- CR** The carbon range of the fuel found in the sample = C8-C36
- H4** Sample was extracted past holding time, but analyzed within analysis holding time.
- J** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of unknown quality.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

Del Mar Analytical, Irvine
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Project Manager

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Project ID: Lytton Street
02-02041-001
Report Number: IMG1114

Sampled: 07/08/03
Received: 07/22/03

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 8015 MOD.	Soil	N/A	N/A

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Chariya Heang
Project Manager



Del Mar Analytical

IM61114

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ADDITIONAL ANALYSIS REQUEST FORM

Today's Date: 7/22/03

Del Mar Analytical Project Manager:

Amanda C.

Request via: telephone chain of custody form fax transmission E-mail other

Client: Execotech - San Diego Contact: Ed.

Project: Lyfton Street

Date Sampled: 7/8/03 Date Received: _____

Status: in progress completed received today received yesterday on hold other

SAMPLE
NUMBER

SAMPLE
DESCRIPTION

ANALYSIS
REQUESTED

SPECIAL
REQUIREMENTS

(IM60422) HA2-3.5 80/15-diesel Run out of hold

New work order

TURNAROUND STATUS: Same Day 24hr 48hr 3days

5days Standard No Rush Charge

LABORATORY REPORT

Prepared For: Enecotech Southwest, Inc.-San Diego
 6160 Fairmount Avenue, Suite A
 San Diego, CA 92120
 Attention: John Royal

Project: Lytton Street
 02-02041-001

Sampled: 09/10/03
 Received: 09/12/03
 Issued: 09/19/03

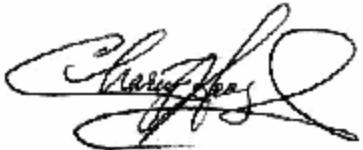
NELAP #01108CA CA ELAP #1197

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IMI0814-01	HA10-8.5	Soil
IMI0814-02	HA10-9.5	Soil
IMI0814-03	HA12-5.5	Soil
IMI0814-04	HA12-8.5	Soil
IMI0814-05	HA13-5	Soil
IMI0814-06	HA13-7.5	Soil
IMI0814-07	HA14-7.5	Soil
IMI0814-08	HA14-8.5	Soil



Del Mar Analytical, Irvine
 Chariya Heang
 Project Manager

Enecotech Southwest, Inc.-San Diego
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Project ID: Lytton Street
 02-02041-001
 Report Number: IMI0814

Sampled: 09/10/03
 Received: 09/12/03

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMI0814-01 (HA10-8.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3I17042	5.0	ND	1	9/17/2003	9/17/2003	
Surrogate: n-Octacosane (50-125%)				89 %				
Sample ID: IMI0814-02 (HA10-9.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3I17042	5.0	ND	1	9/17/2003	9/18/2003	
Surrogate: n-Octacosane (50-125%)				75 %				
Sample ID: IMI0814-03 (HA12-5.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3I17042	5.0	8.5	1	9/17/2003	9/18/2003	CR
Surrogate: n-Octacosane (50-125%)				90 %				
Sample ID: IMI0814-04 (HA12-8.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3I17042	10	37	2	9/17/2003	9/18/2003	CRa
Surrogate: n-Octacosane (50-125%)				95 %				
Sample ID: IMI0814-05 (HA13-5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3I17042	5.0	ND	1	9/17/2003	9/18/2003	
Surrogate: n-Octacosane (50-125%)				72 %				
Sample ID: IMI0814-06 (HA13-7.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3I17042	10	ND	2	9/17/2003	9/18/2003	RL-4
Surrogate: n-Octacosane (50-125%)				78 %				
Sample ID: IMI0814-07 (HA14-7.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3I17042	5.0	ND	1	9/17/2003	9/18/2003	
Surrogate: n-Octacosane (50-125%)				70 %				
Sample ID: IMI0814-08 (HA14-8.5 - Soil)								
Reporting Units: mg/kg								
EFH (C8 - C40)	EPA 8015 MOD.	3I17042	5.0	ND	1	9/17/2003	9/17/2003	
Surrogate: n-Octacosane (50-125%)				80 %				

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 02-02041-001
 Report Number: IMI0814

Sampled: 09/10/03
 Received: 09/12/03

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMI0814-01 (HA10-8.5 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3I17102	1.0	ND	1	9/17/2003	9/17/2003	
Benzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Toluene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Ethylbenzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Total Xylenes	EPA 8015B/8021	3I17102	0.015	ND	1	9/17/2003	9/17/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3I17102	0.035	ND	1	9/17/2003	9/17/2003	
<i>Surrogate: 4-BFB (PID) (70-125%)</i>				101 %				
<i>Surrogate: 4-BFB (FID) (70-135%)</i>				100 %				
Sample ID: IMI0814-02 (HA10-9.5 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3I17102	1.0	ND	1	9/17/2003	9/17/2003	
Benzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Toluene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Ethylbenzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Total Xylenes	EPA 8015B/8021	3I17102	0.015	ND	1	9/17/2003	9/17/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3I17102	0.035	ND	1	9/17/2003	9/17/2003	
<i>Surrogate: 4-BFB (PID) (70-125%)</i>				102 %				
<i>Surrogate: 4-BFB (FID) (70-135%)</i>				100 %				
Sample ID: IMI0814-03 (HA12-5.5 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3I17102	1.0	ND	1	9/17/2003	9/17/2003	
Benzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Toluene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Ethylbenzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Total Xylenes	EPA 8015B/8021	3I17102	0.015	ND	1	9/17/2003	9/17/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3I17102	0.035	ND	1	9/17/2003	9/17/2003	
<i>Surrogate: 4-BFB (PID) (70-125%)</i>				103 %				
<i>Surrogate: 4-BFB (FID) (70-135%)</i>				101 %				

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 02-02041-001
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VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMI0814-04 (HA12-8.5 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3I17102	1.0	ND	1	9/17/2003	9/17/2003	
Benzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Toluene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Ethylbenzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Total Xylenes	EPA 8015B/8021	3I17102	0.015	ND	1	9/17/2003	9/17/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3I17102	0.035	ND	1	9/17/2003	9/17/2003	
<i>Surrogate: 4-BFB (PID) (70-125%)</i>				105 %				
<i>Surrogate: 4-BFB (FID) (70-135%)</i>				102 %				
Sample ID: IMI0814-05 (HA13-5 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3I17102	1.0	ND	1	9/17/2003	9/17/2003	
Benzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Toluene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Ethylbenzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Total Xylenes	EPA 8015B/8021	3I17102	0.015	ND	1	9/17/2003	9/17/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3I17102	0.035	ND	1	9/17/2003	9/17/2003	
<i>Surrogate: 4-BFB (PID) (70-125%)</i>				103 %				
<i>Surrogate: 4-BFB (FID) (70-135%)</i>				101 %				
Sample ID: IMI0814-06 (HA13-7.5 - Soil)								
Reporting Units: mg/kg								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3I17102	1.0	ND	1	9/17/2003	9/17/2003	
Benzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Toluene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Ethylbenzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003	
Total Xylenes	EPA 8015B/8021	3I17102	0.015	ND	1	9/17/2003	9/17/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3I17102	0.035	ND	1	9/17/2003	9/17/2003	
<i>Surrogate: 4-BFB (PID) (70-125%)</i>				104 %				
<i>Surrogate: 4-BFB (FID) (70-135%)</i>				99 %				

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VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
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Sample ID: IMI0814-07 (HA14-7.5 - Soil)

Reporting Units: mg/kg

Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3I17102	1.0	ND	1	9/17/2003	9/17/2003
Benzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003
Toluene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003
Ethylbenzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003
Total Xylenes	EPA 8015B/8021	3I17102	0.015	ND	1	9/17/2003	9/17/2003
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3I17102	0.035	ND	1	9/17/2003	9/17/2003
<i>Surrogate: 4-BFB (PID) (70-125%)</i>				103 %			
<i>Surrogate: 4-BFB (FID) (70-135%)</i>				99 %			

Sample ID: IMI0814-08 (HA14-8.5 - Soil)

Reporting Units: mg/kg

Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015B/8021	3I17102	1.0	ND	1	9/17/2003	9/17/2003
Benzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003
Toluene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003
Ethylbenzene	EPA 8015B/8021	3I17102	0.0050	ND	1	9/17/2003	9/17/2003
Total Xylenes	EPA 8015B/8021	3I17102	0.015	ND	1	9/17/2003	9/17/2003
Methyl-tert-butyl Ether (MTBE)	EPA 8015B/8021	3I17102	0.035	ND	1	9/17/2003	9/17/2003
<i>Surrogate: 4-BFB (PID) (70-125%)</i>				103 %			
<i>Surrogate: 4-BFB (FID) (70-135%)</i>				100 %			

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 02-02041-001
 Report Number: IMI0814

Sampled: 09/10/03
 Received: 09/12/03

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 3I17042 Extracted: 09/17/03</u>										
Blank Analyzed: 09/17/03 (3I17042-BLK1)										
EFH (C8 - C40)										
Surrogate: n-Octacosane	ND	5.0	mg/kg							
	5.80		mg/kg	6.67		87	50-125			
LCS Analyzed: 09/17/03 (3I17042-BS1)										
EFH (C8 - C40)										
Surrogate: n-Octacosane	27.6	5.0	mg/kg	33.3		83	45-115			
	5.77		mg/kg	6.67		87	50-125			
Matrix Spike Analyzed: 09/17/03 (3I17042-MS1)										
EFH (C8 - C40)										
Surrogate: n-Octacosane	42.5	5.0	mg/kg	33.3	20	68	35-115			
	5.68		mg/kg	6.67		85	50-125			
Matrix Spike Dup Analyzed: 09/17/03 (3I17042-MSD1)										
EFH (C8 - C40)										
Surrogate: n-Octacosane	33.6	5.0	mg/kg	33.3	20	41	35-115	23	30	
	5.02		mg/kg	6.67		75	50-125			
Source: IMI0638-21										

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 02-02041-001
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Sampled: 09/10/03
 Received: 09/12/03

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 3I17102 Extracted: 09/17/03

Blank Analyzed: 09/17/03 (3I17102-BLK1)

Volatile Fuel Hydrocarbons (C6-C12)	ND	1.0	mg/kg						
Benzene	ND	0.0050	mg/kg						
Toluene	ND	0.0050	mg/kg						
Ethylbenzene	ND	0.0050	mg/kg						
Total Xylenes	ND	0.015	mg/kg						
Methyl-tert-butyl Ether (MTBE)	ND	0.035	mg/kg						
<i>Surrogate: 4-BFB (PID)</i>	0.0507		mg/kg	0.0500		101	70-125		
<i>Surrogate: 4-BFB (FID)</i>	0.0506		mg/kg	0.0500		101	70-135		

LCS Analyzed: 09/17/03 (3I17102-BS1)

Volatile Fuel Hydrocarbons (C6-C12)	1.22	1.0	mg/kg	1.10		111	85-135		
Benzene	0.120	0.0050	mg/kg	0.100		120	75-120		
Toluene	0.111	0.0050	mg/kg	0.100		111	85-115		
Ethylbenzene	0.108	0.0050	mg/kg	0.100		108	85-125		
Total Xylenes	0.317	0.015	mg/kg	0.300		106	85-120		
Methyl-tert-butyl Ether (MTBE)	1.91	0.035	mg/kg	1.50		127	70-130		
<i>Surrogate: 4-BFB (PID)</i>	0.0524		mg/kg	0.0500		105	70-125		
<i>Surrogate: 4-BFB (FID)</i>	0.0550		mg/kg	0.0500		110	70-135		

Matrix Spike Analyzed: 09/17/03 (3I17102-MS1)

Volatile Fuel Hydrocarbons (C6-C12)	1.12	1.0	mg/kg	1.10	ND	102	70-140		
Benzene	0.104	0.0050	mg/kg	0.100	ND	104	65-135		
Toluene	0.0982	0.0050	mg/kg	0.100	ND	98	70-130		
Ethylbenzene	0.0941	0.0050	mg/kg	0.100	ND	94	70-130		
Total Xylenes	0.275	0.015	mg/kg	0.300	ND	92	70-130		
Methyl-tert-butyl Ether (MTBE)	1.70	0.035	mg/kg	1.50	ND	113	60-145		
<i>Surrogate: 4-BFB (PID)</i>	0.0500		mg/kg	0.0500		100	70-125		
<i>Surrogate: 4-BFB (FID)</i>	0.0549		mg/kg	0.0500		110	70-135		

Source: IMI0814-02

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 Report Number: IMI0814

Sampled: 09/10/03
 Received: 09/12/03

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE (EPA 5030B/8015M/8021B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 3I17102 Extracted: 09/17/03

Matrix Spike Dup Analyzed: 09/18/03 (3I17102-MSD1)

					Source: IMI0814-02				
Volatile Fuel Hydrocarbons (C6-C12)	1.10	1.0	mg/kg	1.10	ND	100	70-140	2	20
Benzene	0.106	0.0050	mg/kg	0.100	ND	106	65-135	2	20
Toluene	0.0980	0.0050	mg/kg	0.100	ND	98	70-130	0	20
Ethylbenzene	0.0944	0.0050	mg/kg	0.100	ND	94	70-130	0	20
Total Xylenes	0.277	0.015	mg/kg	0.300	ND	92	70-130	1	20
Methyl-tert-butyl Ether (MTBE)	1.79	0.035	mg/kg	1.50	ND	119	60-145	5	25
<i>Surrogate: 4-BFB (PID)</i>	<i>0.0500</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>100</i>	<i>70-125</i>		
<i>Surrogate: 4-BFB (FID)</i>	<i>0.0528</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>106</i>	<i>70-135</i>		

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Sampled: 09/10/03
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DATA QUALIFIERS AND DEFINITIONS

- CR** The carbon range of the fuel found in the sample = C10-C36
CRa The carbon range of the fuel found in the sample = C18-C36
RL-4 Reporting limit raised due to insufficient sample volume.
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

ADDITIONAL COMMENTS

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 8015 MOD.	Soil	N/A	N/A
EPA 8015B/8021B	Soil	X	X

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

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IMI0814 <Page 10 of 10>

APPENDIX C

**United States Labor Department, Bureau of Labor Statistics
Median Years of Tenure with Current Employer
for Employed Wage and Salary Workers by Industry
Selected Years 2000-04**



United States
Department of Labor
Washington, D.C. 20212



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Table 5. Median years of tenure with current employer for employed wage and salary workers by industry, selected years, 2000-04

Table 5. Median years of tenure with current employer for employed wage and salary workers by industry, selected years, 2000-04

Industry	February 2000	January 2002	J
Total, 16 years and over.....	3.5	3.7	
Private sector.....	3.2	3.3	
Agriculture and related industries.....	3.7	4.2	
Nonagricultural industries.....	3.2	3.3	
Mining.....	4.8	4.5	
Construction.....	2.7	3.0	
Manufacturing.....	4.9	5.4	
Durable goods manufacturing.....	4.8	5.5	
Nonmetallic mineral products.....	5.5	5.3	
Primary metals and fabricated metal products.....	5.0	6.3	
Machinery manufacturing.....	5.3	6.8	
Computers and electronic products.....	3.9	4.7	
Electrical equipment and appliances.....	5.0	5.5	
Transportation equipment.....	6.4	7.0	
Wood products.....	3.7	4.3	
Furniture and fixtures.....	4.4	4.7	
Miscellaneous manufacturing.....	3.7	4.5	
Nondurable goods manufacturing.....	5.0	5.3	
Food manufacturing.....	4.6	5.0	
Beverage and tobacco products.....	5.5	4.6	
Textiles, apparel, and leather.....	4.7	5.0	
Paper and printing.....	5.1	6.2	
Petroleum and coal products.....	9.5	9.8	
Chemicals.....	6.0	5.7	
Plastics and rubber products.....	4.6	5.3	
Wholesale and retail trade.....	2.7	2.8	
Wholesale trade.....	3.9	3.9	
Retail trade.....	2.5	2.6	
Transportation and utilities.....	4.7	4.9	
Transportation and warehousing.....	4.0	4.3	
Utilities.....	11.5	13.4	
Information (1).....	3.4	3.3	
Publishing, except Internet.....	4.2	4.8	
Motion picture and sound recording industries.....	1.6	2.3	
Broadcasting, except Internet.....	3.6	3.1	
Telecommunications.....	4.3	3.4	
Financial activities.....	3.5	3.6	
Finance and insurance.....	3.6	3.9	

Finance.....	3.3	3.6
Insurance.....	4.4	4.5
Real estate and rental and leasing.....	3.1	3.0
Real estate.....	3.1	3.2
Rental and leasing services.....	3.0	2.2
Professional and business services.....	2.4	2.7
Professional and technical services.....	2.6	3.1
Management, administrative, and waste services (1).....	2.0	2.1
Administrative and support services.....	1.8	1.9
Waste management and remediation services.....	3.6	4.3
Education and health services.....	3.4	3.5
Educational services.....	3.2	3.6
Health care and social assistance.....	3.5	3.5
Hospitals.....	5.1	4.9
Health services, except hospitals.....	3.2	3.1
Social assistance.....	2.4	2.5
Leisure and hospitality.....	1.7	1.8
Arts, entertainment, and recreation.....	2.6	2.3
Accommodation and food services.....	1.5	1.6
Accommodation.....	2.8	2.7
Food services and drinking places.....	1.4	1.4
Other services.....	3.1	3.3
Other services, except private households.....	3.2	3.3
Repair and maintenance.....	3.0	3.0
Personal and laundry services.....	2.7	2.8
Membership associations and organizations.....	4.0	4.1
Other services, private households.....	3.0	2.7
Public sector.....	7.1	6.7
Federal government.....	11.5	11.3
State government.....	5.5	5.4
Local government.....	6.7	6.2

1 Includes other industries, not shown separately.

NOTE: Data reflect the introduction of Census 2000 population controls in January 2003 and are not strictly comparable with data for prior years. In addition, data for 2004 reflect the introduction of additional revised population controls in January 2004. Industries reflect the introduction of the 2002 Census industry classification system derived from the 2002 North American Industry Classification System into the Current Population Survey. Data refer to the sole or principal full- and part-time workers. Excluded are all self-employed workers regardless whether or not their businesses are incorporated.

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Employment, Hours, and Earnings from the Current Employment Statistics survey (National)

Series Id: CES3100000005 Seasonally Adjusted													
Super Sector: Manufacturing Industry: Durable goods NAICS Code: N/A Data Type: AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1939	36.9	36.9	37.2	37.4	37.2	37.7	37.4	38.6	38.8	40.1	39.5	39.5	
1940	38.7	37.9	38.2	38.5	38.5	38.9	39.1	39.8	40.6	40.9	40.1	41.1	
1941	41.1	41.7	42.0	41.9	42.3	43.1	42.6	42.7	42.7	42.8	41.8	42.2	
1942	44.2	44.4	44.9	44.9	45.2	45.2	45.8	45.4	45.4	45.6	46.0	45.8	
1943	46.2	46.1	46.3	46.7	46.9	46.8	47.0	46.9	47.3	47.1	47.1	45.9	
1944	46.8	46.7	46.5	46.6	46.6	46.8	46.6	46.8	46.5	47.0	46.8	46.8	
1945	46.9	46.8	46.5	46.2	45.6	45.9	45.8	41.3	41.3	41.5	41.2	41.1	
1946	40.8	40.0	40.5	40.2	39.5	39.9	40.2	40.7	40.6	40.6	40.3	40.5	
1947	40.7	40.5	40.6	40.8	40.8	40.8	40.8	40.1	40.8	40.7	40.9	41.2	
1948	40.9	40.6	40.8	40.3	40.4	40.7	40.6	40.7	40.5	40.5	40.5	40.3	
1949	40.1	40.0	39.5	39.3	39.4	39.4	39.6	39.4	39.7	39.7	39.1	39.8	
1950	40.0	40.2	40.2	41.1	41.2	41.5	41.8	42.0	41.7	41.9	41.7	41.7	
1951	41.6	41.6	41.8	41.9	42.0	41.9	41.6	41.4	41.5	41.4	41.4	41.7	
1952	41.9	41.8	41.6	41.1	41.3	41.4	40.9	41.4	41.9	42.0	42.0	42.1	
1953	42.0	41.9	42.0	41.7	41.8	41.7	41.5	41.5	41.0	40.9	40.7	40.4	
1954	40.2	40.3	40.1	40.2	40.3	40.3	40.3	40.4	40.5	40.5	40.2	40.8	40.7
1955	41.2	41.3	41.5	41.6	42.0	41.5	41.4	41.4	41.4	41.6	41.8	41.6	
1956	41.4	41.3	41.2	41.2	41.1	41.0	41.2	41.0	41.3	41.3	41.1	41.5	
1957	41.2	41.3	41.1	40.6	40.5	40.6	40.5	40.6	40.1	39.8	39.7	39.4	
1958	39.2	39.0	39.2	39.3	39.3	39.5	39.7	39.9	40.0	40.0	40.3	40.4	
1959	40.7	40.7	41.0	41.1	41.3	41.2	40.9	41.0	41.0	40.8	40.2	40.8	
1960	41.4	40.9	40.6	40.5	40.5	40.4	40.3	40.2	39.9	40.3	39.7	38.8	
1961	39.8	39.8	39.9	40.0	40.3	40.5	40.6	40.7	40.0	41.0	41.3	41.1	
1962	40.7	41.1	41.2	41.2	41.2	41.1	41.1	41.2	41.2	41.1	41.2	40.9	
1963	41.2	41.2	41.2	41.2	41.3	41.5	41.4	41.3	41.3	41.4	41.5	41.4	
1964	40.9	41.5	41.4	41.5	41.6	41.7	41.7	41.8	41.9	41.3	41.8	42.1	
1965	42.2	42.2	42.3	42.2	42.2	42.1	42.0	41.9	42.0	42.1	42.2	42.2	
1966	42.5	42.6	42.4	42.8	42.4	42.3	42.0	42.3	42.1	42.1	42.1	41.7	
1967	41.9	41.1	41.2	41.0	41.1	41.1	41.2	41.4	41.3	41.3	41.2	41.4	
1968	41.2	41.5	41.5	41.1	41.7	41.6	41.6	41.3	41.6	41.7	41.7	41.3	
1969	41.6	41.3	41.5	41.8	41.4	41.4	41.3	41.4	41.4	41.3	41.2	41.3	
1970	41.1	40.8	40.7	40.4	40.3	40.5	40.7	40.5	40.3	40.1	40.1	40.0	
1971	40.5	40.3	40.4	40.4	40.5	40.5	40.5	40.3	40.2	40.5	40.5	40.8	
1972	40.8	41.0	41.0	41.2	41.2	41.3	41.2	41.3	41.4	41.5	41.6	41.4	
1973	41.5	41.8	41.7	41.6	41.6	41.5	41.6	41.4	41.5	41.4	41.4	41.4	
1974	41.2	41.1	41.1	40.0	41.1	40.9	40.8	40.9	40.8	40.8	40.3	40.1	
1975	40.0	39.7	39.5	39.7	39.6	39.7	39.9	40.2	40.3	40.4	40.3	40.7	

1976	40.8	40.9	40.8	40.1	41.0	41.0	41.0	41.0	40.9	40.7	40.8	40.5
1977	40.1	40.9	41.0	41.1	41.3	41.3	41.2	41.2	41.3	41.4	41.3	41.2
1978	40.3	40.7	41.2	41.2	41.2	41.4	41.4	41.3	41.3	41.4	41.5	41.4
1979	41.3	41.4	41.5	39.7	41.0	40.9	40.9	40.8	40.8	40.9	40.7	40.7
1980	40.6	40.7	40.4	40.3	39.8	39.7	39.6	40.1	40.2	40.4	40.6	40.7
1981	40.7	40.3	40.6	40.7	40.8	40.6	40.5	40.6	40.2	40.2	40.0	39.6
1982	38.0	40.1	39.7	39.6	39.7	39.8	39.7	39.5	39.4	39.3	39.5	39.5
1983	39.9	39.9	40.2	40.3	40.6	40.7	40.9	41.0	41.3	41.4	41.4	41.3
1984	41.4	41.9	41.5	41.6	41.6	41.4	41.5	41.3	41.4	41.4	41.3	41.4
1985	41.2	40.8	41.3	41.3	41.2	41.3	41.2	41.4	41.3	41.4	41.4	41.7
1986	41.5	41.5	41.5	41.3	41.4	41.4	41.3	41.4	41.5	41.3	41.4	41.5
1987	41.5	41.9	41.7	41.5	41.7	41.6	41.7	41.6	41.4	41.8	41.8	41.7
1988	41.8	41.8	41.7	41.8	41.9	42.0	41.9	41.6	41.8	42.0	42.0	41.7
1989	42.0	42.0	41.9	41.9	41.7	41.6	41.6	41.6	41.5	41.4	41.3	41.2
1990	41.2	41.2	41.4	41.2	41.2	41.3	41.3	41.1	41.2	41.0	40.8	40.9
1991	40.7	40.6	40.5	40.5	40.6	41.0	41.0	41.1	41.2	41.1	41.1	41.1
1992	41.0	41.2	41.3	41.6	41.5	41.3	41.4	41.4	41.3	41.4	41.5	41.5
1993	41.8	41.8	41.6	42.3	41.8	41.7	41.9	41.9	42.1	42.1	42.2	42.3
1994	42.3	41.9	42.6	42.5	42.7	42.6	42.6	42.6	42.4	42.7	42.7	42.7
1995	42.8	42.6	42.4	42.0	42.0	42.1	41.9	42.1	42.1	42.2	42.2	41.7
1996	40.7	42.1	41.8	42.0	42.2	42.3	42.2	42.3	42.5	42.2	42.2	42.5
1997	42.2	42.5	42.7	42.7	42.6	42.5	42.4	42.5	42.4	42.6	42.6	42.8
1998	42.6	42.5	42.3	41.9	42.1	42.0	41.9	42.0	41.9	42.0	42.1	42.2
1999	41.8	41.9	41.8	41.9	42.0	41.8	42.1	42.1	42.1	42.0	42.0	41.9
2000	42.1	42.1	42.0	42.1	41.9	41.9	42.1	41.5	41.5	41.7	41.6	40.7
2001	41.0	40.8	40.8	40.9	40.8	40.7	41.0	40.6	40.4	40.3	40.2	40.4
2002	40.5	40.5	40.8	40.8	40.8	41.0	40.7	40.7	40.8	40.6	40.6	40.8
2003	40.7	40.6	40.6	40.3	40.5	40.7	40.5	40.6	40.9	41.0	41.3	41.2
2004	41.5	41.5	41.4	41.3	41.5	41.2	41.3	41.3	41.2	41.2	40.9	41.1
2005	41.1	41.0	40.8	40.9	40.8(p)	40.8(p)						

p : preliminary

Series Id:	CES3133200005												
Seasonally Adjusted													
Super Sector:	Manufacturing												
Industry:	Fabricated metal products												
NAICS Code:	332												
Data Type:	AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS												
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1990	41.3	41.2	41.3	41.2	41.2	41.2	41.3	40.9	40.9	40.8	40.7	40.7	
1991	40.6	40.6	40.5	40.6	40.4	40.8	40.7	41.0	41.1	41.1	41.1	41.0	
1992	41.0	41.1	41.2	41.6	41.3	41.3	41.3	41.2	41.2	41.3	41.4	41.3	
1993	41.7	41.5	41.4	42.2	41.4	41.5	41.7	41.7	41.7	41.7	41.8	42.0	
1994	42.0	41.5	42.2	42.2	42.3	42.2	42.4	42.4	42.0	42.4	42.4	42.4	
1995	42.7	42.4	42.2	41.5	41.8	41.8	41.6	41.8	41.8	41.8	41.9	41.5	
1996	40.6	41.8	41.8	41.6	42.0	42.1	42.0	42.0	42.1	42.0	42.0	42.0	
1997	41.9	42.2	42.3	42.4	42.3	41.9	42.1	42.2	42.3	42.3	42.3	42.4	
1998	42.4	42.3	42.1	41.9	42.1	42.1	41.9	41.8	41.6	41.8	41.8	41.8	
1999	41.6	41.5	41.5	41.5	41.6	41.2	41.7	41.8	42.1	41.9	41.9	41.9	
2000	42.0	42.1	42.0	42.2	42.0	42.0	42.2	41.6	41.5	41.7	41.6	40.8	
2001	41.2	41.1	41.0	41.0	40.8	40.6	40.8	40.6	40.4	40.3	40.3	40.4	
2002	40.3	40.4	40.7	40.6	40.6	40.8	40.7	40.7	40.7	40.6	40.5	40.5	
2003	40.6	40.4	40.5	40.4	40.6	40.6	40.4	40.5	40.7	40.9	41.0	40.9	
2004	41.2	41.2	41.1	41.0	41.2	41.0	41.2	41.2	41.2	41.1	40.9	40.9	
2005	40.9	40.8	40.7	40.8	40.7(p)	40.6(p)							

p : preliminary

Series Id: CES3133300005

Seasonally Adjusted

Super Sector: Manufacturing

Industry: Machinery

NAICS Code: 333

Data Type: AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1990	42.2	42.1	42.1	41.9	42.0	42.1	42.1	42.1	42.1	42.1	41.9	42.1	
1991	41.9	41.6	41.7	41.8	41.3	42.0	41.8	42.1	41.9	41.9	41.8	42.0	
1992	41.9	42.2	42.2	42.7	42.4	42.4	42.5	42.5	42.6	42.7	43.0	42.8	
1993	43.1	43.1	42.8	43.8	43.1	43.2	43.4	43.3	43.6	43.5	43.5	43.6	
1994	43.6	43.3	44.0	43.6	43.9	44.0	44.0	43.8	43.7	44.0	43.8	43.9	
1995	44.2	43.8	43.8	43.3	43.6	43.3	43.1	43.7	43.3	43.4	43.5	43.1	
1996	42.3	43.2	43.2	43.1	43.2	43.4	43.2	43.4	43.5	43.4	43.3	43.7	
1997	43.7	43.9	44.0	44.1	43.9	43.9	43.8	43.9	44.1	44.0	44.2	44.1	
1998	44.0	43.8	43.7	42.9	43.5	43.6	43.4	43.3	42.9	42.8	42.7	42.4	
1999	42.4	42.4	42.3	42.2	42.5	42.1	42.4	42.3	42.5	42.3	42.5	42.5	
2000	42.4	42.6	42.5	42.5	42.4	42.4	42.7	42.3	42.0	42.3	42.0	41.2	
2001	41.8	41.2	41.3	41.3	41.1	40.9	41.2	40.5	40.4	40.5	40.0	40.2	
2002	40.2	39.9	40.4	40.3	40.5	40.6	40.5	40.7	40.5	40.6	40.5	40.6	
2003	40.4	40.6	40.5	40.4	40.4	40.9	40.3	40.7	41.0	41.0	41.2	41.1	
2004	41.7	41.8	41.7	41.9	42.2	42.0	42.1	42.1	42.3	42.2	42.0	42.0	
2005	42.0	42.0	42.0	42.0	41.9(p)	41.7(p)							

p : preliminary

Series Id: CES3133600005

Seasonally Adjusted

Super Sector: Manufacturing

Industry: Transportation equipment

NAICS Code: 336

Data Type: AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1990	41.8	42.0	42.5	42.2	42.5	42.4	42.4	42.0	42.4	42.1	41.2	41.6	
1991	41.8	41.4	41.2	41.1	41.4	42.0	42.5	42.1	42.5	42.5	42.2	41.9	
1992	41.8	42.0	41.9	42.4	42.2	42.0	42.2	42.1	41.6	41.7	41.9	42.3	
1993	42.5	42.7	42.5	43.5	42.8	42.7	43.0	43.0	43.4	43.5	43.8	44.0	
1994	43.9	43.8	44.3	44.1	44.3	44.1	43.8	44.2	44.1	44.3	44.7	44.7	
1995	44.5	44.7	44.3	43.5	43.4	43.6	43.5	43.6	43.6	43.6	43.9	43.0	
1996	42.3	43.4	42.0	43.9	44.1	44.2	44.2	44.3	44.5	43.9	43.9	44.4	
1997	44.5	44.2	44.5	44.4	44.2	44.2	43.8	44.1	43.5	43.9	43.9	44.5	
1998	43.9	43.4	43.3	42.5	43.2	42.6	42.7	42.8	43.4	43.6	44.0	44.5	
1999	43.1	43.7	43.5	43.8	43.8	43.7	43.9	44.1	43.8	43.6	43.4	43.5	
2000	43.6	43.8	43.5	43.4	43.0	43.6	43.8	43.1	43.0	43.2	42.9	41.5	
2001	41.7	41.7	41.9	42.5	42.4	42.2	43.0	42.3	41.5	41.5	41.6	41.9	
2002	42.5	42.4	42.6	42.8	42.7	42.9	42.2	42.4	42.5	42.3	41.8	42.0	
2003	42.2	41.9	41.4	41.0	41.2	41.5	41.3	40.9	42.1	42.1	42.8	42.7	
2004	42.8	42.9	42.8	42.4	42.7	42.2	42.4	42.5	42.4	42.3	42.2	42.4	
2005	42.4	42.4	42.0	42.1	41.9(p)	42.1(p)							

p : preliminary

Series Id: CES3133600105

Seasonally Adjusted

Super Sector: Manufacturing

Industry: Motor vehicles and parts NAICS Code: 3361,2,3 Data Type: AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1990	40.7	41.4	41.9	41.6	42.0	41.9	42.0	41.6	42.4	41.7	40.3	40.6	
1991	41.1	40.5	39.8	40.5	40.8	41.6	42.6	41.9	42.6	42.3	42.0	41.6	
1992	41.4	41.6	41.4	42.2	42.0	42.0	42.4	42.0	41.2	41.4	41.5	42.1	
1993	42.5	42.8	42.7	44.0	43.1	42.9	43.1	43.2	43.7	44.1	44.5	44.7	
1994	44.7	44.6	44.9	44.8	44.7	44.6	43.9	44.7	44.6	44.7	45.2	45.0	
1995	45.0	45.1	44.5	43.4	43.3	43.5	43.4	43.6	43.6	43.7	44.1	43.3	
1996	42.6	43.4	41.2	44.1	44.4	44.3	44.4	44.4	44.4	43.6	43.6	43.9	
1997	44.4	43.9	44.2	44.1	43.9	43.8	43.4	43.8	42.9	43.5	43.4	43.8	
1998	43.1	42.6	42.7	41.9	42.6	41.7	41.6	41.9	42.9	43.1	43.6	44.1	
1999	43.1	43.8	43.4	43.8	43.7	44.0	44.2	44.0	43.9	43.7	43.5	43.5	
2000	43.8	43.9	43.8	43.6	43.1	43.8	43.7	43.2	43.2	43.3	42.7	40.9	
2001	41.1	41.2	41.3	42.4	42.1	42.0	42.9	42.5	41.1	41.1	41.2	41.7	
2002	42.4	42.2	42.5	42.8	42.8	43.0	42.0	42.6	42.6	42.5	41.9	42.1	
2003	42.5	42.0	41.4	41.0	41.2	41.4	41.2	40.6	42.2	42.2	42.9	42.9	
2004	43.1	43.2	43.1	42.5	42.8	42.4	42.5	42.6	42.4	42.2	42.2	42.6	
2005	42.3	42.3	41.7	41.7	41.4(p)	41.9(p)							

p : preliminary

Series Id: CES3133900005 Seasonally Adjusted Super Sector: Manufacturing Industry: Miscellaneous manufacturing NAICS Code: 339 Data Type: AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1990	39.1	39.0	39.2	39.0	39.0	39.0	39.0	39.1	39.0	39.0	39.0	38.9	
1991	38.8	38.9	38.8	38.9	38.7	39.3	39.1	39.3	39.4	39.3	39.3	39.4	
1992	39.3	39.5	39.3	39.7	39.4	39.4	39.3	39.2	39.2	39.4	39.4	39.2	
1993	39.4	39.3	39.2	40.0	39.2	39.1	39.3	39.1	39.3	39.1	39.1	39.2	
1994	39.2	38.4	39.4	39.4	39.5	39.3	39.6	39.3	39.2	39.6	39.4	39.5	
1995	39.6	39.4	39.4	39.3	39.2	39.3	39.1	39.2	39.0	39.1	39.1	38.6	
1996	37.3	38.9	39.1	39.0	39.1	39.2	39.1	39.1	39.5	39.2	39.4	39.5	
1997	39.3	39.6	39.5	39.6	39.4	39.5	39.6	39.7	39.8	39.8	39.9	40.0	
1998	39.8	39.6	39.5	39.3	39.2	39.3	39.2	39.2	38.8	39.1	38.9	39.0	
1999	39.1	39.2	39.3	39.2	39.4	39.2	39.4	39.7	39.6	39.3	39.4	39.2	
2000	39.3	39.2	39.1	39.2	39.2	38.8	39.2	38.6	38.8	38.8	38.6	38.3	
2001	38.8	38.9	39.0	38.9	38.8	39.1	39.1	38.9	38.8	38.5	38.5	38.5	
2002	38.3	38.4	38.5	38.5	38.7	39.3	38.5	38.6	38.6	38.8	38.6	38.8	
2003	38.7	38.4	38.4	38.0	38.1	38.5	38.3	38.3	38.4	38.4	38.8	38.6	
2004	39.1	38.8	38.7	38.4	38.8	38.4	38.6	38.5	38.4	38.4	38.2	38.3	
2005	38.5	38.6	38.7	38.8	38.7(p)	38.8(p)							

p : preliminary

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